



**CORVALLIS AREA
METROPOLITAN PLANNING ORGANIZATION**

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POLICY BOARD

AGENDA

May 18th, 2007

8:30 – 10:30 a.m.

Downstairs Meeting Room, Benton Plaza, 408 SW Monroe, Corvallis

- I. Call to Order** Schaudt
- II. Agenda Review** Schaudt
- III. Minutes of March 16th, Meeting of Policy Board** (Attachment I) Schaudt
ACTION: Decision on Minutes
- IV. Transportation Improvement Program (TIP)** (Attachment II) Bonakdar
In April the Board reviewed the results of funding prioritization of candidate projects. The attached table shows the status of projects recommended for funding by the Technical Advisory Committee (TAC). The Board is requested to endorse the funding priority of these projects and authorize staff to release them for public comments. A complete FY09-11 TIP document will be presented for approval in June.
ACTION: Discussion and Decision
- V. Compliance with Requirements of SAFETEA-LU** Bonakdar
In February the Board reviewed a list of efforts and schedules to demonstrate compliance of the Transportation Plan with requirements of SAFETEA-LU by July 1, 2007. A major component of this effort, the Environmental Considerations, was prepared and presented to CETAS. This work is not included in this package due to its heavy volume. It is posted at the MPO Website: www.corvallisareampo.org
ACTION: Discussion
- VI. Compliance with Requirements of TPR** (Attachment III) Bonakdar
In March the Board reviewed a preliminary draft of a comparative analysis of local Transportation Plans to assist member jurisdictions with State requirement of Consistency. The attached copy incorporates the recommendations made by the TAC.
ACTION: Discussion
- VII. ODOT's Freight Survey Questionnaire** (Attachment IV) Modrell/Bonakdar
ODOT is gathering input on Freight Issues through the attached survey instrument. Staff will collect your input for a response from the Corvallis Area MPO.
- VIII. Public Comment** Schaudt

IX. Updates

- Report on OMPOC
- TGM Applications
- Jurisdictions Updates

X. Adjourn

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**METROPOLITAN PLANNING ORGANIZATION
POLICY BOARD**

March 16, 2007 8:30 am
Benton Plaza Upstairs Meeting Room

MINUTES

Policy Board Members Attending: Ken Schaudt, Linda Modrell, Vivian Payne, George Grosch, and Bill Currier.

Board Members Absent:

Guests: Steve Rogers, Roger Irvin, John deTar, and Hundley J. Bergstad.

Staff: Ali Bonakdar, Kindra Martinenko, and Brenda Mainord.

TOPIC	DISCUSSION	DECISION / CONCLUSIONS
I. Meeting called to order by Chair, Ken Schaudt at 8:32 am		
II. Agenda Review	The Chair called for any additions to the agenda. Linda asked to add time to report on the Rail Road.	
III. Approval of the February 16 th , 2007 Policy Board minutes.		CONSENSUS to approve the minutes of February 16th, 2007 Policy Board meeting.
IV. Draft FY08 Unified Planning Work Program and Self-Certification Document	Ali reported he and others met with representatives of FHWA, FTA and ODOT on February 20th and reviewed the draft FY08 UPWP. This document incorporates all comments received since last November. Ali reviewed the latest changes to the document. These were under Task 200: Highway US 20 Corridor Study, the title was changed to Highway US 20 Corridor Management Plan, and the railroad project was changed to read Impact of Short-Line Railroad Facility Improvements	

<p><i>George Grosch left the meeting at 10:00 am</i></p>	<p>on Freight and People Mobility in the MPO Area. The MPO's work on these two projects is limited to the production of a "green paper". The MPO will seek additional funding and, if successful, the MPO will select consultant and will administer the contract with consultant. Also added is a section on Other Transportation Planning Activities in the MPO Area.</p> <p>Linda Modrell asked about the intent of the 9th Street Access Management Plan which was followed by a discussion on what the Plan can do and its limitations.</p> <p>There was a lengthy discussion around the Highway 20 Corridor Management Plan and the Railroad Impact Study relative to the letter from ODOT to the Policy Board. The Policy Board members requested clarification on the content and the purpose of the letter.</p> <p>Vivian stated that ODOT is concerned that by focusing on the Case Studies (Highway 20 Corridor and Railroad Impact) the MPO will not have enough time to focus on meeting the requirements of TPR and meeting the Mobility Standard requirements.</p> <p>Ali distributed an informal response to the points raised in the letter and reviewed the schedule for meeting TPR requirements and the work toward meeting Mobility Standards. Linda asked for a matrix of all the intersections subject to Mobility Standards. Vivian stated ODOT would work with Ali to identify which intersection will be done by the state or by others.</p> <p>Steve Rogers stated he is not sure why there is an issue. If the deadline for demonstrating compliance to TPR is by the end of September 2007, then the Hwy 20 Corridor project can commence after that.</p> <p>The Board members indicated that they were ready to vote on the approval of the UPWP. Ali read off the MPO Bylaws regarding the building of consensus.</p> <p>Vivian stated that she would feel more comfortable if a language is added to the description of the US 20 Corridor project to specify that the work on this project will not commence before September 2007.</p>	<p>CONSENSUS to adopt the UPWP with the noted changes.</p>
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	<p>Vivian also reiterated that ODOT believes the ACT would be in a better position and more apt to lead the Highway 20 Corridor project.</p> <p>Under those conditions, the Policy Board reached consensus to adopt the FY08 UPWP.</p> <p>The Self Certification document did not have any changes. There were no questions from the Policy Board on this document.</p>	<p>CONSENSUS to adopt the Self-Certification Document.</p>
V. FY 08-11 Transportation Improvement Program (TIP)	<p>Attached at the end of these minutes is the TAC's evaluation result of candidate projects for funding and inclusion in the FY2008-2011 Transportation Improvement Program (TIP). Ali reviewed the information with the Policy Board. This was for information only. The Final prioritization list will be brought for the Board's approval.</p>	
VI. TGM Grant Applications	<p>Ali reported that two TGM grant applications have been submitted along with letters of support from the City of Albany and the City of Corvallis Public Works. These are applications for funding on 9th Street Access Management Plan and the US 20 Corridor Management Plan.</p>	
VII. Public Comments	<p>No public comments.</p>	
VIII. Updates	<p>Ali reported on the issue of compliance with environmental requirements of SAFETEA-LU. A meeting has been scheduled with CETAS on April 17 to review the environmental issues of the Corvallis Area Metropolitan Transportation Plan. He also will meet on Monday with representative of the FHWA's Environmental Section.</p> <p>Vivian updated the group on the current projects. Philomath couplet underway, Van Buren Bridge project will be closed at night for painting. Steve Dockins has taken another job, so ODOT is in the middle of recruitment for his position.</p>	
XI. Meeting adjourned at 10:47 am		

Attachment referred to in item V.
 FY 08-11 Transportation Improvement Program (TIP)

**Evaluation Results of Candidate Projects for Funding and Inclusion in the
 FY2008-2011 Transportation Improvement Program (TIP)**

Ranking No.	Jurisdiction	Project Route/ Highway	From	To	Type: Mod/ Pres	Description of Improvement	Exchange Rate (000)	Federal \$ Requested	Local Share	Total Cost Estimate (000)	Score
1	City of Corvallis	Highland Blvd., Walnut to City Limits	Walnut Blvd.	City Limits	P	Surface Restructure				\$ -	72
2	City of Corvallis	Walnut Blvd	25th Street	Kings Blvd	P	Surface Restructure	\$ 474	\$ 504	\$ -	\$ 474	69
2	City of Corvallis	9th Street	Jefferson Ave	Monroe Ave	P	Surface Restructure	\$ 222	\$ 236	\$ 103	\$ 325	69
3	Benton County	53rd Street RR Overpass	West Hills Rd	Reservoir RD	M	Reconfig/ Realignment	\$ 3,000	\$ 3,191	\$ 1,000	\$ 4,000	57
4	City of Corvallis	35th Street	Western Blvd	Washington Ave	M	Surface Restructure				\$ -	56
Total							\$ 3,696	\$ 3,932	\$ 1,103	\$ 8,731	

M= Modernization P = Preservation

**Evaluation Results of Candidate Projects for Funding and Inclusion in the
FY2008-2011 Transportation Improvement Program (TIP)**

Ranking No.	Jurisdiction	Project Route/ Highway	From - To	FY	Description of Improve-ment	Type: Mod/ Pres	Exchanged Fund (000)	Federal STP Fund (000)	Local Share	Total Cost Estimate (000)	Score
1	City of Corvallis	Highland Blvd.	Walnut Blvd.-City	2009	Surface Restructure	P	\$ 150	\$ 160	\$ 55	\$ 205	72
2	City of Corvallis	Walnut Blvd	25th Street-Kings Blvd	2010	Surface Restructure	P	\$ 474	\$ 504	\$ 0	\$ 474	69
2	City of Corvallis	9th Street	Jefferson Ave-	2008	Surface Restructure	P	\$ 222	\$ 236	\$ 103	\$ 325	69
3	Benton County	53rd Street RR	West Hills Rd-	2008	Reconfig/ Realignment	M	\$ 3,000	\$ 3,191	\$ 1,000	\$ 4,000	57
4	City of Corvallis	35th Street	Western Blvd-	2008	Surface Restructure	M	\$ 898	\$ 955		\$ 898	56
Total							\$ 4,744	\$ 5,046	\$ 1,158	\$ 5,902	

M= Modernization P = Preservation

Projects Recommended for FY08-FY11 TIP

No.	Project	Fiscal Year	Status	STP Cost	STP Allotment*	Fund Available	Fund Balance
1	Walnut Blvd, Highland-13th Street	2007	Approved in FY06-09 TIP	\$ 280,000	\$ 574,784	\$ 574,784	\$ 294,784
2	Walnut Blvd, 13th - Rolling Green	2007	Approved in FY06-09 TIP	\$ 282,000	\$ -	\$ 294,784	\$ 12,784
3	Circle Blvd, US 20 - City Limit	2008	Approved in FY06-09 TIP	\$ 70,000	\$ 530,000	\$ 542,784	\$ 472,784
4	West Hills Rd, Western Blv-53rd Street	2008	Approved in FY06-09 TIP	\$ 112,000	\$ -	\$ 472,784	\$ 360,784
5	Lewisburg Rd, Highland-Crescent Valley	2009	Approved in FY06-09 TIP	\$ 137,000	\$ 530,000	\$ 890,784	\$ 753,784
6	Highland Blvd, Walnut - City limit.	2009	Ranked this year as # 1	\$ 160,000		\$ 753,784	\$ 593,784
7	Highland Rd, Corvallis-Lester Ave	2009	Approved in FY06-09 TIP	\$ 43,000	\$ -	\$ 593,784	\$ 550,784
8	Highland Rd, Lester Ave-Lewisburg Ave	2009	Approved in FY06-09 TIP	\$ 344,000	\$ -	\$ 550,784	\$ 206,784
9	Walnut Blvd, Rolling Green-Kings Blvd	2010	Approved in FY06-09 TIP	\$ 561,000	\$ 530,000	\$ 736,784	\$ 175,784
10	Walnut Blvd, 25th street - King Blvd	2011	Ranked this year as # 1	\$ 504,000	\$ 530,000	\$ 705,784	\$ 201,784
11	9th Street, Jefferson - Monroe	2011	Ranked this Year as #2	\$ 236,000	\$ -	\$ 201,784	\$ (34,216)
12	35th Street, Western to Washington	2012	Ranked this Year as #4	\$ 955,400	\$ 530,000	\$ 495,784	\$ (459,616)
13	53rd Street RR Overpass	2012	Ranked this Year as #3	\$ 3,191,000	\$ -	\$ (459,616)	\$ (3,650,616)

* Our current STP Balance is \$574,874. Assumes annual allotment of \$530K

Comparison of Recommendations of the MPO Transportation Plan and Local Transportation System Plans (TSPs)

Recommended in the MPO RTP	Closest Language Found in Local TSPs
<p>2010 Network Transit Component</p> <ul style="list-style-type: none"> ○ Increase number of buses by 3 <p>MPO Plan recommendations will become more generalized. The specific language was used for calculation purposes only.</p>	<ul style="list-style-type: none"> ○ Recommended in Corvallis TSP 1996 under “Infrastructure Enhancements” pg 5-24, although not by specific number.
<ul style="list-style-type: none"> ○ Modify transit routes regularly to serve the highest number of passengers. <p><u>The same as above</u></p>	<ul style="list-style-type: none"> ○ Chapter 5.2 of the Corvallis Transit Master Plan recommends “Potential Revisions to Existing Service”.
<ul style="list-style-type: none"> ○ Construct a new bus maintenance and operations facility 	<ul style="list-style-type: none"> ○ Recommended under Chapter 1.3.2 of the Corvallis Transit Master Plan.
<p>2010 Network TDM Component</p> <ul style="list-style-type: none"> ○ Establish new Park and Ride lot at S.15th St. and Applegate St. in Philomath (VIII-1 TDM Component of CAMTP) 	<ul style="list-style-type: none"> ○ Recommended in 2001 Benton County TSP ○ Philomath TSP: Need general language advocating Park and Rides at strategic locations.
<ul style="list-style-type: none"> ○ Promotion of carpool/vanpool programs 	<ul style="list-style-type: none"> ○ Recommended in all plans and being implemented.
<ul style="list-style-type: none"> ○ Formation of Transportation Management Associations 	<ul style="list-style-type: none"> ○ The Corvallis Transit Master Plan includes the formation of a network of Employee Transportation Coordinators (ETC), pg. 98 ○ Benton County TSP: General language needed. ○ Adair Village Comprehensive Plan: General language needed. ○ Philomath TSP: General language needed.

Comparison of Recommendations of the MPO Transportation Plan and Local Transportation System Plans (TSPs)

<p>2010 Network Land Use Management Component The MPO will encourage jurisdictions within the Planning Area to strengthen existing and/or adopt new land use policies and development standards to promote:</p>	
<ul style="list-style-type: none"> ○ Higher density residential development 	<ul style="list-style-type: none"> ○ Recommended in Corvallis Comprehensive Plan Chapter 12.2.iv: <i>“Allowing for high density and more intense development in clusters at appropriate locations.”</i> & 12.4.7: <i>“The City shall encourage the development of high density uses that are significantly less dependent on automobile transportation”</i>. ○ Recommended in Adair Village Comprehensive Plan (Section 9.590) <i>“Residential Land Use 1. The City shall encourage higher density compact residential development to provide more efficient land utilization and to reduce the cost of housing, public facilities and services.”</i> <p>Philomath Comprehensive Plan: <i>“2. Residential land shall be designated for either low, medium or high density housing on the plan map.”</i></p>

Comparison of Recommendations of the MPO Transportation Plan and Local Transportation System Plans (TSPs)

<ul style="list-style-type: none"> ○ Mixed land use developments 	<ul style="list-style-type: none"> ○ Recommended in Corvallis Comprehensive Plan, Sections 8.10.c: <i>“The Transportation Alternatives Analysis, the West Corvallis - North Philomath Plan, City Council Approved Corvallis Comprehensive Plan December 21, 1998 and the South Corvallis Area Plan propose mixed use commercial areas that are located in compact nodes served by transit and within walking distance from neighborhood commercial areas and larger ‘Town Centers,’ and incorporate proposed standards.”</i> ○ Adair Village Comprehensive Plan in section 9.490: <i>“The City shall encourage an intermix of housing types and densities within the locational criteria of the Zoning Ordinance.”</i> ○ Recommended in Philomath Comprehensive, Chapter 6: <i>“The City shall continue to evaluate the concept of mixed-use zoning in an effort to reduce the reliance on the automobile as the primary source of transportation.”</i> ○ <u>Benton County Comprehensive plan needs general language advocating mixed use land developments in urban areas of the County. Closest language found under section III (L) Rural Lands.</u>
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Comparison of Recommendations of the MPO Transportation Plan and Local Transportation System Plans (TSPs)

<ul style="list-style-type: none"> ○ In-fill developments 	<ul style="list-style-type: none"> ○ Recommended in Corvallis Comprehensive Plan, Policy 14.3.1: <i>“Infill and redevelopment within urban areas shall be preferable to annexations.”</i> ○ Recommended in Benton County TSP, Appendix A, Transportation Financing Program: <i>“(5) The transportation financing program shall provide for phasing of major improvements to encourage infill and redevelopment of urban lands prior to facilities and improvements which would cause premature development of urbanizable lands or conversion of rural lands to urban uses.”</i> ○ Philomath TSP: General language needed. ○ Adair Village Comprehensive Plan: General language needed.
<ul style="list-style-type: none"> ○ Access to the transit network for new residential developments 	<ul style="list-style-type: none"> ○ Recommended in Benton County Comprehensive Plan, Chapter 3.E.7 ○ Recommended in Corvallis TSP, Chapter 5-11. ○ Adair Village Comprehensive Plan: General language needed. ○ Philomath Comprehensive Plan Transit Policies: <i>“Arterial and collector street designs shall include evaluation for transit facilities such as bus stops, pullouts, shelters, optimum road design, and on-street parking restrictions as appropriate to facilitate transit service. New or redeveloped residential, retail office, and other commercial, civic, recreation, and other institutional facilities at or near existing or planned transit stops shall provide preferential access to transit facilities.”</i>
<p>2010 Network Roadway Component</p>	

Comparison of Recommendations of the MPO Transportation Plan and Local Transportation System Plans (TSPs)

<ul style="list-style-type: none"> ○ 2010 Network: 53rd St. at Railroad overpass-realign and relocate 53rd St. and Reservoir Rd. intersection. 	<ul style="list-style-type: none"> ○ Recommended in Benton County TSP
<ul style="list-style-type: none"> ○ Circle Blvd. at 9th St.—Add right-turn lane on eastbound 	<ul style="list-style-type: none"> ○ Recommended in Corvallis TSP
<ul style="list-style-type: none"> ○ 35th St, US 20/OR 34 to Orchard Ave.-widen, realign and add bike lanes (Partially completed) 	<ul style="list-style-type: none"> ○ Recommended in Benton County TSP ○ Recommended in Corvallis TSP Chapter 11.50.10
<ul style="list-style-type: none"> ○ Kings Blvd—Extend Kings Blvd to Lester Ave. (SDC Candidate) 	<ul style="list-style-type: none"> ○ Corvallis TSP, chapter 10, pg 34 as “<i>New East-West Collectors</i>” and “<i>Two new East-West Arterials</i>”. ○ Recommended in the North Corvallis Area Plan under Chapter 5.4 Proposed Roadway Network: “<i>Lester Avenue connection with Kings Boulevard and Satinwood extensions, and eastward to Highway 99W.</i>”
<ul style="list-style-type: none"> ○ Intersection of 53rd St. and Philomath Blvd.—add turning lane 	<ul style="list-style-type: none"> ○ Recommended in Benton County TSP: “53rd St. Design Standard”
<ul style="list-style-type: none"> ○ Replace Van Buren Ave. Bridge (Preliminary Engineering) 	<ul style="list-style-type: none"> ○ Recommended in Benton County TSP ○ Recommended in Corvallis TSP (chapter 10-29)
<p>2020 Network Transit Component</p>	
<ul style="list-style-type: none"> ○ Increase buses from 11 to 15 ○ Increase number of routes by 2 	<ul style="list-style-type: none"> ○ Recommended in the Corvallis Transit Master Plan, Chapter 5, Expansion of Service.
<ul style="list-style-type: none"> ○ Service Hours-Increase transit service hours from 22,000 hours/year to 38,000 hours/year 	<ul style="list-style-type: none"> ○ General language for service hours increase is included within the Corvallis Transit Master Plan 2005, chapter 5, although the specific number of hours is not defined.

Comparison of Recommendations of the MPO Transportation Plan and Local Transportation System Plans (TSPs)

<p>2020 Network TDM Component</p> <ul style="list-style-type: none"> ○ 2020 Network: Establish a new Park and Ride in the City of Adair Village. 	<ul style="list-style-type: none"> ○ Recommended in Benton County TSP, chapter 5.2.2.C ○ Recommended in Corvallis TDM Plan through Corvallis Comprehensive Plan, pg. 8 section 2.4. ○ General language in support of a new park and ride facility in Adair Village is needed in Adair Comprehensive Plan (under section 9.7).
<ul style="list-style-type: none"> ○ Form Transportation Management Associations (TMA) 	<ul style="list-style-type: none"> ○ Corvallis Transit Master Plan recommends the formation of a network of Employee Transportation Coordinators (ETC), pg. 98 ○ Benton County TSP: General language in support of TMA needed. ○ Adair Village Comprehensive Plan: General language in support of TMA needed. ○ Philomath TSP General language in support of TMA needed.
<ul style="list-style-type: none"> ○ Enhance the network of bicycle and pedestrian facilities 	<ul style="list-style-type: none"> ○ Recommended in Corvallis, Philomath, and Benton County TSPs. ○ Recommended in Adair Village Comprehensive plan under section 9.700-12 Bicycle and Pedestrian Goals and Policies.
<ul style="list-style-type: none"> ○ Develop on-site carpool/vanpool station within development 	<ul style="list-style-type: none"> ○ Recommended in Corvallis TSP, Chapter 11.50.20
<ul style="list-style-type: none"> ○ Provide communal bicycle program 	<ul style="list-style-type: none"> ○ Already implemented. Change MPO RTP to cite as an example.

Comparison of Recommendations of the MPO Transportation Plan and Local Transportation System Plans (TSPs)

2020 Network Land Use Management Component	
<ul style="list-style-type: none"> ○ Implement a minimum density more conducive to a viable transit service 	<ul style="list-style-type: none"> ○ Recommended in Benton County TSP, Appendix A, 5.d and 7.d ○ Recommended in Corvallis Comprehensive Plan ○ Corvallis TSP: Chapter 11 of the TSP contains language in support of implementing minimum density land use policies. ○ Philomath Comprehensive Plan may need additional language incorporated into the plan: <i>“Land designated Residential outside the City and within the Urban Growth Boundary shall be zoned Urban Residential-5 acre minimum lots size (UR5) so redevelopment at urban densities may occur more efficiently in the future. Where delayed annexations have occurred, City zoning shall apply.”</i> ○ Recommended in Adair Village Comprehensive Plan, section 9.590 Land Use Goals and Policies.
<ul style="list-style-type: none"> ○ Implement mixed land use 	<ul style="list-style-type: none"> ○ Recommended in Corvallis Comprehensive Plan ○ Recommended in Adair Comprehensive Plan ○ Recommended in Philomath Comprehensive Plan ○ Recommended in Benton County TSP as a potential policy solution within chapter 2.

Comparison of Recommendations of the MPO Transportation Plan and Local Transportation System Plans (TSPs)

<ul style="list-style-type: none"> ○ Implement grid patterned streets 	<p>Recommended in Corvallis Comprehensive Plan Chapter Policy 9.2.5.G. May need additional language in support of grid patterned streets.</p> <ul style="list-style-type: none"> ○ Recommended in Philomath Comprehensive Plan Chapter 6-22: <i>“Emphasis should be placed on creating a grid or modified grid system that encourages dispersion of local traffic through a number of streets. (Policies 9-22 Added by Ord. #720 on 9/22/03.)”</i> ○ Adair Village Comprehensive Plan: General language required. <p>Recommended in Benton County TSP Chapter 3-4. May need additional language in support of grid patterned streets in urban areas.</p>
<ul style="list-style-type: none"> ○ Provide for transit services to the development 	<ul style="list-style-type: none"> ○ Recommended in Corvallis TSP, Chapters 5 and 11. ○ Recommended in Philomath Comprehensive Plan under chapter 6, “Transportation Policies”. ○ Adair Village Comprehensive Plan: General language required. ○ Recommended in Benton County TSP, Chapter 5.

Comparison of Recommendations of the MPO Transportation Plan and Local Transportation System Plans (TSPs)

<p>2020 Network Roadway Component</p> <ul style="list-style-type: none"> ○ US 20/OR 34, Newton Creek to 53rd St. 	<ul style="list-style-type: none"> ○ Recommended in Philomath TSP (Overlay, intermediate range) ○ Benton County TSP, Chapter 3.4.1.C U.S. includes 20/Highway 34 Corridor, Philomath to Corvallis. Also cites Philomath Comprehensive Plan in chapter 2.5.2.C.1.
<ul style="list-style-type: none"> ○ Country Club Dr., Barley Hill Dr. to US 20/OR 34-widen to add bike lanes, sidewalks, improve alignment 	<ul style="list-style-type: none"> ○ Recommended in Benton County TSP, Chapter 4.4.1
<ul style="list-style-type: none"> ○ OR 99W, railroad crossing to Circle Blvd.—widen to four lanes with left turn refuges. 	<ul style="list-style-type: none"> ○ Recommended in Benton County TSP, chapter 3.4.1.E
<ul style="list-style-type: none"> ○ Replace Van Buren Ave. Bridge 	<ul style="list-style-type: none"> ○ Recommended in Corvallis TSP
<ul style="list-style-type: none"> ○ Circle Blvd.-Extend to Harrison Blvd (SDC Candidate) 	<ul style="list-style-type: none"> ○ Recommended in Corvallis TSP

Comparison of Recommendations of the MPO Transportation Plan and Local Transportation System Plans (TSPs)

<ul style="list-style-type: none"> ○ OR 99W, railroad over crossing to Circle Blvd.-widen to 4 lanes 	<ul style="list-style-type: none"> ○ Recommended in Corvallis TSP
<ul style="list-style-type: none"> ○ US 20/OR 34, 53rd St. to Western-complete final design and acquire right-of-way 	<ul style="list-style-type: none"> ○ Recommended in Benton County TSP
<ul style="list-style-type: none"> ○ OR 99W at both Goodnight Ave. and Rivergreen Avenue – install traffic signal when warranted 	<ul style="list-style-type: none"> ○ Recommended in Corvallis TSP
<ul style="list-style-type: none"> ○ West Hills Rd., 35th Street /Western Blvd to 53rd St. – enhance to urban standards 	<ul style="list-style-type: none"> ○ Recommended in Benton County TSP
<ul style="list-style-type: none"> ○ Country Club Dr., 35th St. to 53rd St.– widen to add bike lanes sidewalks, improve alignment. 	<ul style="list-style-type: none"> ○ Recommended in Benton County TSP
<ul style="list-style-type: none"> ○ Grant Ave., Highland St. to 9th St.– widen to add bike lanes sidewalks, improve alignment 	<ul style="list-style-type: none"> ○ Recommended in Corvallis TSP
<ul style="list-style-type: none"> ○ Buchanan Ave. at 9th St.– construct left turn lanes on Buchanan Ave.(eastbound) 	<ul style="list-style-type: none"> ○ Recommended in Corvallis TSP
<ul style="list-style-type: none"> ○ Witham Hill Dr., Grant Ave. to Walnut Blvd. – widen/improve bike lanes 	<ul style="list-style-type: none"> ○ Recommended in Corvallis TSP
<ul style="list-style-type: none"> ○ Extend Plumley St. from Airport Ave .to the extension of Rivergreen Ave. 	<ul style="list-style-type: none"> ○ Corvallis TSP: “Airport Ave.-Rivergreen Collector” cited in figure A-2. Project aligns with Plumley St. on the 2030 Network projects map.

Comparison of Recommendations of the MPO Transportation Plan and Local Transportation System Plans (TSPs)

<ul style="list-style-type: none"> ○ Airport Ave., OR 99W to Airport Pl.– Upgrade to urban standards (SDC) 	<ul style="list-style-type: none"> ○ Recommended in Corvallis TSP
<p>2030 Network Transit Component</p> <ul style="list-style-type: none"> ○ Increase number of buses by 3 to 18 buses (10 more than existing). 	<ul style="list-style-type: none"> ○ The Corvallis Transit Master Plan includes general language on increasing service hours and routes by year.
<ul style="list-style-type: none"> ○ New Route - Increase number of transit routes to 11 routes (3 more than existing) <ul style="list-style-type: none"> ○ Philomath/Bellfountain/ Airport Road 	<ul style="list-style-type: none"> ○ Recommended in Corvallis TSP (“Expansion of Service, and “Seven-Bus Expansion Scenarios”).
<ul style="list-style-type: none"> ○ Service Hours - The transit service hours will be increased from 38,000 hours/year in 2020 Network to 83,000 hours/year. MPO Plan recommendations will become more generalized. The specific language was used for calculation purposes only. 	<ul style="list-style-type: none"> ○ The Corvallis Transit Master Plan includes general language on increasing service hours and routes by year.
<p>2030 Network TDM Component Establish 3 new Park and Ride lots</p> <ul style="list-style-type: none"> ○ New Park and Ride lot at (TAZ 327) US 20/34 split (Alsea Hwy) ○ New Park and Ride lot at (TAZ 319) Airport Rd at OR 99W ○ New Park and Ride lot at Harrison Blvd at Walnut/53rd <p><u>The same as above</u></p>	<ul style="list-style-type: none"> ○ Corvallis TSP: General language advocating new Park and Ride at TAZ 319 and at Harrison Blvd. at Walnut/53rd St. is needed. ○ Philomath TSP: General language advocating new Park and Ride lot at TAZ 327 is needed.
<p>2030 Network Roadway Component</p>	
<ul style="list-style-type: none"> ○ Harrison Blvd., 29th St. to 36th St., Widen to add bike lanes and Urban Section 	<ul style="list-style-type: none"> ○ Recommended in Corvallis TSP
<ul style="list-style-type: none"> ○ Brooklane Dr., Chintimini Ave. to US 20/OR 34 – reconstruct and realignment bring to urban standards 	<ul style="list-style-type: none"> ○ Recommended in Corvallis TSP
<ul style="list-style-type: none"> ○ Lester Ave. - extend to OR 99W 	<ul style="list-style-type: none"> ○ Recommended in Corvallis TSP, page 10-34, under Crescent Valley Area improvements. ○ Recommended in the North Corvallis Area Plan under Chapter 5.4 Proposed Roadway Network: “Lester Avenue

Comparison of Recommendations of the MPO Transportation Plan and Local Transportation System Plans (TSPs)

	<i>connection with Kings Boulevard and Satinwood extensions, and eastward to Highway 99W.”</i>
○ Satinwood Dr. - extend to Lester Ave.	○ Recommended in Corvallis TSP, page 10-34, under Crescent Valley Area improvements. ○ The 2001 North Corvallis Area Plan Recommended extension of Satinwood Dr. to Lester Ave. on page 50.
○ Alexander Ave. from 3rd to Crystal Lake Dr. – widen to add bike lanes sidewalks, improve alignment	○ Recommended in Corvallis TSP
○ OR 99W at Kiger Island Dr.– Install traffic signal when warranted	○ Recommended in Benton County TSP
○ Circle Blvd., Hewlett-Packard campus to US 20 – widen to 4 lanes	○ Recommended in Corvallis TSP as “Widen Circle Blvd. to Highway 20”, Chapter 10-6.
○ Clemens Mill Rd. - relocate road across from 26th Street (Clemens Mill Rd. and 26th Street and US 20/34 to improve access	○ Recommended in Philomath TSP 1999 (pg. 102 Table 7-6).
○ US 20/OR 34 and Alsea Highway Intersection– Install traffic signal when warranted	○ Recommended in Benton County TSP ○ Philomath TSP: General language needed.
○ Main St. at 26th St. – Install traffic signal when warranted	○ Recommended in Philomath TSP (pg. 102 Table 7-6)
○ West Hills Rd., Wyatt Ln. to N. 19th St. – Add bike lanes ‘signed and striped’	○ Recommended in Philomath TSP (pg. 104 Table 7-8)
○ Chapel Dr., Bellfountain Rd. to 13th St. - upgrade to urban standards	○ Recommended in Benton County TSP

Comparison of Recommendations of the MPO Transportation Plan and Local Transportation System Plans (TSPs)

<p>2030 Land Use Management Component</p> <ul style="list-style-type: none"> ○ The MPO will encourage jurisdictions within the Planning Area to adopt land use policies that would require residential developments of substantial size to capture at least 10 percent of trips they generate. This could be accomplished through the implementation of the measures listed previously and providing incentives for Transit Oriented Developments (TODs) 	<ul style="list-style-type: none"> ○ Corvallis TSP includes general language in Chapter 11, Alternative Analysis. ○ <u>Benton County TSP: General language needed.</u> ○ <u>Adair Village Comprehensive Plan. General language needed.</u> ○ <u>Philomath TSP: General language needed.</u>
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**FREIGHT STAKEHOLDER INTERVIEWS
QUESTIONS**

Background: Julie Rodwell, ODOT Freight Mobility Manager, is conducting telephone (and some in-person) interviews with 15~ key freight stakeholders during April – May 2007 to obtain more guidance on the approach to ODOT’s freight planning activities.

1. In your opinion, what are the top 5 issues affecting freight today?
2. What should be the focus of the Statewide Freight Plan? Should we focus on primary freight corridors of all modes, or on the entire system?
3. What do you think are the best approaches to prioritizing needs?
4. How does ODOT convey to all its transportation system users, why freight is important? What communication and education activities are needed during the Plan effort that we're missing at present?
5. We may have the ability to do some special studies or White Papers on freight issues. What topics would you like to see addressed?
6. We plan to do about 15 one-on-one interviews (including with the OTC) to continue today's dialogue and help shape the approach to freight planning -- who do you recommend be included in these?
7. What role should the State (not just ODOT) play in the discussion on freight?

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Preliminary Work
On

Environmental Considerations

For the Purpose of Consultation with

Collaborative Environmental and Transportation Agreement for Streamlining (CETAS)

April 17, 2007



Corvallis Area Metropolitan Planning Organization

Preface

The Corvallis Metropolitan Transportation Plan that was adopted by the Policy Board of the Corvallis Area Metropolitan Planning Organization (CAMPO) in September 2006 was not in full compliance with Requirements of SAFETEA-LU. The purpose of this Addendum to the Plan is to demonstrate compliance with all federal requirements.

I. Environmental Mitigation

Federal Regulation

According to requirements of SAFETEA-LU, a long-range transportation plan shall include a discussion of types of potential environmental mitigation activities and potential areas to carry out these activities, including activities that may have the greatest potential to restore and maintain the environmental functions affected by the plan. This requirement shall be met through the development of a discussion with Federal, State, and tribal wildlife, land management, and regulatory agencies.

The metropolitan planning organization shall consult, as appropriate, with State and local agencies responsible for land use management, natural resources, environmental protection, conservation, and historic preservation concerning the development of a long-range transportation plan. The consultation shall involve the following, as appropriate:

1. Comparison of transportation plans with State conservation plans or maps, if available; or
2. Comparison of transportation plans to inventories of natural or historic resources, if available.

Environmental Characteristics of the Area

Privileged by the location of the Oregon State University (OSU), Benton County has a wealth of environmental studies and inventories of its floras and faunas. Additionally, the local governments in Benton County place a great deal of values on protecting the natural and built environments in implementing community projects. It is because of these traits that the Country Home Magazine designated the City of Corvallis as the “Third Best Green Places” in the United State¹. Some notable work of the local governments is as follows:

In December 2004, the City of Corvallis adopted Phase III – Natural Features Project that was incorporated into the City’s Land Development Code. The Natural Features inventoried all environmentally sensitive features of the area and established procedures for their protection.

In 2005 the City of Corvallis updated its Erosion Prevention and Sediment Control Manual. It requires an Erosion Prevention and Sediment Control Permit for any groundbreaking affecting at least 2000 square feet of land.

The OSU Campus and particularly its College of Forestry is renowned as a scientific institution that takes pride in the protection of the natural environment.

The City of Corvallis and Benton County have established procedures for the protection of the natural environment and mitigation of the impact of their transportation projects.

¹ Country Home Magazine, March 2007

Identification of Areas of Conflict

As part of the Environmental Consideration, CAMPO identified the areas of conflict between the recommendations of the Transportation Plan and the protected environmental features of the Planning Area. Using Geographic Information System (GIS) mapping software, the sensitive natural features of the Planning Area were overlaid with the projects recommended in the Corvallis Area Metropolitan Transportation Plan. The following 21 maps demonstrate the areas of potential conflicts. In preparing these maps the MPO consulted with city, county, state and national resources.

I. Soil

Refer to Map I-2005 Soil Survey (Benton County, Oregon)

Different soil types react differently when exposed to natural elements such as wind and precipitation. Soil erosion can be broken down into three types:

- 1) Mass movement erosion (soil loss and movement due to the effects of gravity, including; landslips, slumps and slides)
- 2) Water erosion
- 3) Wind erosion.

Soil types react differently under distress based upon a number of factors, including water solubility and grades of coarseness. For example, plastic soils such as clay and silt may be more susceptible to landslide than those that are not. Transportation projects that are built on these soils may require additional attention to mitigating potential hazards brought on by the composition of soils prone to natural disaster.

. The soil map is based on the 2005 Benton County Soil Survey. It demonstrates soils that are dominant within the Planning Area. Areas mapped in light-gray are soils comprised of different types of clay and loam.

Sources: Benton County GIS Department:
http://ww2.co.benton.or.us/irm/gis/gisdata/Natural_Features/
Oregon Department of Land Conservation and Development:
<http://www.oregon.gov/LCD/HAZ/index.shtml>
Natural Resources Conservation Service (NCRS):
<http://www.nrcs.usda.gov/>

II. Streams (303d)

Refer to Map II.a-303d List Streams and Dams (based upon 2002 data), and Map II.b-Total Daily Maximum Load for 303d List Streams and Rivers.

The Environmental Protection Agency's section 303d requires that each State identify: "...waters within its boundaries for which the effluent limitations required by section 301(b) (1) (A) and section 301(b) (1) (B) are not stringent enough to implement any water quality standard applicable to such waters. The State shall establish a priority ranking for such waters, taking into account the severity of the pollution and the uses to be made of such waters"

Each State must also identify waters whose effluent limitations do not meet the water quality standards for fish, wildlife, or shellfish.

As identified by the State of Oregon and Environmental Protection Agency, there are four primary waterways within or adjacent to the CAMPO Planning Area that require protection under the EPA rules. Those waterways are:

- The Willamette River
- The Mary's River
- The Muddy Creek
- Soap Creek

Total Maximum Daily Load(s) (TMDL)

Map II.b-Total Daily Maximum Load for 303d List Streams and Rivers

Chapter 340-042-0025 of the Oregon Administrative Rules states that it is

(1) The public policy of the State of Oregon is to protect, maintain and improve the quality of waters of the state for beneficial uses and to provide for prevention, abatement and control of water pollution. To achieve and maintain water quality standards, the Environmental Quality Commission may impose limitations and controls including Total Maximum Daily Loads (TMDLs), wasteload allocations for point sources and load allocations for nonpoint sources.

Four 303d listed waters within or around the CAMPO planning area were identified in the September 2006 Upper Willamette Basin TMDL Project published by the Oregon Department of Water Quality:

Muddy Creek (Listed for temperature)

Soap Creek (Listed for dissolved oxygen)

Mary's River (Listed for temperature and fecal coliform)

Willamette River (Listed for temperature, fecal coliform, mercury, and dissolved oxygen)

According to the Environmental Protection Agency, there are four Total Daily Maximum Load (TMDL) criterion for these waters. These criterion are water temperature (for fish spawning and migration); fecal coliform (public health safety); mercury (public health safety), and dissolved oxygen (for wildlife and vegetation). The Oregon Department of Water Quality (DEQ) states that the TMDL for these waters must meet the following criteria:

Temperature: Temperatures must not exceed 17.8 degrees Celsius (64 degrees Fahrenheit) for Summer Trout & Steelhead Salmon migration and rearing in designated temperature reaches.

Fecal Coliform and other bacterium: Bacteria load in Mary's River must not exceed the geometric mean of 200, no more than 10% > 400. The Bacteria load for the Willamette River must not exceed 406 MPN/100ml of water. According to the Oregon DEQ, there were no reported violations in ODEQ data during summer in the entire river through the period beginning in 1996 to recent.

Mercury: Mercury can be present in various physical and chemical forms in the environment (Ullrich *et al.*, 2001; USEPA, 2001b). The majority of the mercury found in the environment is in the form of inorganic or elemental mercury but these forms of mercury can be converted to organic or methyl mercury by sulfatereducing bacteria. Methyl mercury production is affected by a host of physical and chemical factors including temperature, redox potential, dissolved oxygen levels, organic carbon, sediment particle size, alkalinity, sulfate concentration and pH. Methyl mercury, once formed, represents the most bioaccumulative form of mercury in fish tissue and the most toxic form of mercury for human consumers (USEPA, 2001a). The current freshwater ‘acute’ criterion for mercury is 2.4 micrograms/liter and the freshwater ‘chronic’ criterion is 0.012 micrograms/liter (as presented in the Table 33A Water Quality Criteria Summary; OAR 340-041-0033). It is important to note that the Willamette River currently attains the current numeric criteria for the protection of aquatic life. The average annual concentration of mercury in the mainstem Willamette is approximately 1.3 ng/l. A 2002 TMDL study for the Willamette River stated that the Corvallis Mercury Monitoring Site recorded .63 nanograms per liter, and .38 nanograms per liter of methyl mercury, both well below the acceptable criteria for meeting water quality standards.

Dissolved Oxygen: Dissolved oxygen is sensitive to both stream temperature and solar radiation and, therefore, shade improvements can result in improved dissolved oxygen levels. In addition to reductions in solar radiation loads, modeling indicates that reductions in oxygen demanding pollutant loads are needed in order for water quality standards for DO to be met. The lack of dissolved oxygen may be harmful to fish and other life forms within a stream or river. The Oregon DEQ in September of 2006 identified Soap Creek as having a dissolved oxygen issue between the months of October through May. However, the TMDL study did not specifically address Soap Creek dissolved oxygen levels.

Sources:

Environmental Protection Agency:

http://www.epa.gov/region5/water/pdf/ecwa_t3.pdf

Oregon Geospatial Data Clearinghouse:

<http://gis.oregon.gov/DAS/EISPD/GEO/alphalist.shtml>

(2002 303d List GIS data)

Oregon Department of Water Quality Willamette Basin TMDL Program:

<http://www.deq.state.or.us/wq/tmdls/willamette.htm#w>

III. Brownfields

Refer to Map III-Brownfields and Hazardous Waste Sites

The Oregon Revised Statutes Chapter 465.006 states that:

“In the interest of protecting the public health, safety and the environment, the Legislative Assembly declares that it is the policy of the State of Oregon to encourage reduction in the use of toxic substances and to reduce the generation of hazardous waste whenever technically and economically practicable, without shifting risks from one part of a process, environmental media or product to another. Priority shall be given to methods that reduce the amount of toxics used

and, where that is not technically and economically practicable, methods that reduce the generation of hazardous waste.”

A Brownfield is a land that has been contaminated by pollution, hazardous chemicals, and/or waste. A Brownfield can be property which is abandoned, idled, or under-used commercially. In the CAMPO Planning Area there are 31 sites referenced that are either currently under investigation for unacceptable levels of hazardous waste, leakage, or collection; or are undergoing rehabilitation.

The TRI Explorer database was queried to cover the extent of the planning area and was exported into a geodatabase within ArcGIS. The geodatabase was then transformed into a shapefile to show the hazardous waste sites on the map.

Sources: The EPA TriExplorer: <http://www.epa.gov/tri/>
Oregon Department of Environmental Quality Laws and Regulations: <http://www.deq.state.or.us/regulations/statutes.htm>

IV. Critical Fish and Wildlife Habitats

Refer to Map IV.a-Critical, Endangered, or Threatened Fish Species Habitats, Map IV.b-Critical, Endangered, or Threatened Wildlife Species Habitats, Map IV.c-Sensitive Vegetation & Wildlife Habitat Connection Areas, and Map IV.d Essential Fish Habitats.

The Oregon Administrative Rules, Chapter 635-415-0000 states that:

It is the fish and wildlife habitat mitigation policy of the Oregon Department of Fish and Wildlife to require or recommend, depending upon the habitat protection and mitigation opportunities provided by specific statutes, mitigation for losses of fish and wildlife habitat resulting from development actions. Priority for mitigation actions shall be given to habitat for native fish and wildlife species. Mitigation actions for nonnative fish and wildlife species may not adversely affect habitat for native fish and wildlife.

Critical Fish and Wildlife Habitats are those habitats identified by the United States Department of Fish and Wildlife and the Oregon Department of Fish and Wildlife. Staff consulted with local ODFW staff on the mapping of sensitive, threatened, endangered, and critical habitat species within the Planning area.

Endangered, Threatened, and Sensitive species of concern which have been identified in or around the CAMPO planning area are:

Fender’s Blue Butterfly
Taylor’s Checkerspot Butterfly
Streaked Horned Lark
Spotted Owl
Marbled Murrelet
Kincaid’s Lupine
Willamette Daisy
Nelson’s Checkermallow
Bradshaw’s Lomatium
Peacock Larkspur

Coho Salmon*
Chinook Salmon*
Steelhead Salmon

*Identified as an Essential Fish Habitats specie

Species such as the Kincaid's Lupine and Fender's Blue Butterfly are found in specific sensitive habitat areas identified as wet prairies. Species such as the Spotted Owl are found specifically in forest areas containing old growth forest (stands that are 50+ years old). Aquatic, riparian, grasslands, oak savannah, oak woodlands, wetlands, and wet prairies are critical habitats for the following species which may occur in the CAMPO planning area:

Northern Red-Legged Frog
Western Pond Turtle
Common kingsnake
Waterfowl (e.g Dusky Canada Goose)
Shorebirds (e.g. Upland sandpiper)
Common Nighthawk
Streaked Horned Lark
Yellow-breasted Chat
Oregon Vesper Sparrow
Western Bluebird
Western Meadowlark
Townsend's Big Eared Bat

Map IV.c-Sensitive Vegetation & Wildlife Habitat Connection Areas, reflects sensitive wildlife area habitats, wildlife connections, and key species.

Sources: USFW GIS webpage at <http://www.fws.gov/data/>
State of Oregon's Natural Resources Information Management Program (NRIMP) Geospatial Database:
<http://nrimp.dfw.state.or.us/nrimp/default.aspx?pn=dataresources>
Oregon Department of Fish and Wildlife Habitat Mitigation Policy:
<http://www.dfw.state.or.us/OARs/415.pdf>
Benton County Habitat Conservation Plan
<http://www.co.benton.or.us/parks/hcp/index.php>

V. Fish Passage Barriers

Refer to Map V-Fish Passage Barriers

Oregon Revised Statutes Chapter 509.585 states:

“(1) It is the policy of the State of Oregon to provide for upstream and downstream passage for native migratory fish and the Legislative Assembly finds that cooperation and collaboration between public and private entities is necessary to accomplish the policy goal of providing passage for native migratory fish and to achieve the enhancement and restoration of Oregon's native salmonid populations, as envisioned by the Oregon Plan.

Therefore, except as provided in ORS chapter 509, fish passage is required in all waters of this state in which native migratory fish are currently or have historically been present.

And,

“(3) The State Department of Fish and Wildlife shall complete and maintain a statewide inventory of artificial obstructions in order to prioritize enforcement actions based on the needs of native migratory fish. This prioritization shall include, but need not be limited to, the degree of impact of the artificial obstruction on the native migratory fish, the biological status of the native migratory fish stocks in question and any other factor established by the department by rule...”

Fish Passage Barriers can be man-made or natural blockages to the free movement of fish species through a waterway. Upstream blockages that prevent spawning of fish, especially those that are identified as threatened or endangered, are of significant importance. Fish barriers can come in the form of culvert blockages, dams, shallow water, or a combination of factors that prevent fish from reaching their spawning grounds. Transportation projects that may develop new barriers, or intersect existing barriers will require adequate fish passage as directed by State law.

Sources: Oregon Department of Fish and Wildlife’s StreamNet:
<http://www.streamnet.org/online-data/GISData.html>
Benton County Fish Passage Maps:
<http://ww2.co.benton.or.us/irm/gis/gisdata/FishPassageProgram/>
Oregon Revised Statutes Chapter 509
<http://www.leg.state.or.us/ors/509.html>

VI. Flood Plains

Refer to Map VI-Flood Plains

The identification of flood plains is required under ORS Chapters 196.615, 196.668, 196.815, and 197.230; as well as Oregon’s Statewide Planning Goals and Guidelines Goal 7: Areas Subject to Natural Hazards in order to prevent and/or mitigate the potential negative impact on human life, wildlife, and vegetation. A Flood Plain is an area designated either by the State or Federal Governments as being susceptible to flooding (the inundation of water in an otherwise dry area). Flood plains are usually flat areas near a prominent water feature such as a river, creek, or lake. Typically properties within a flood plain incur certain land use restrictions and higher insurance rates. Thus, identifying a flood plain is critical in land use designation and development.

Source: Benton County GIS Department:
http://ww2.co.benton.or.us/irm/gis/gisdata/Natural_Features/
Oregon Revised Statutes
<http://www.leg.state.or.us/ors/196.html> and <http://www.leg.state.or.us/ors/197.html>
Oregon’s Statewide Planning Goals and Guidelines, Goal 7: Areas Subject to Natural Hazards
<http://www.lcd.state.or.us/LCD/docs/goals/goal7.pdf>

VII. Forest Lands and Zones

Refer to Map VII-Forest Lands and Zones

Identification of forest lands within the planning area is important for the purposes of mitigating the impact that transportation projects have on the forest environment. Forests play an important role in the ecological diversity of a region. According to Oregon's Statewide Planning Goal 4: Forest Lands OAR 660-015-0000(4) the purpose is to:

Conserve forest lands by maintaining the forest land base and to protect the state's forest economy by making possible economically efficient forest practices that assure the continuous growing and harvesting of forest tree species as the leading use on forest land consistent with sound management of soil, air, water, and fish and wildlife resources and to provide for recreational opportunities and agriculture.

Construction of new dwelling units on Forest Lands is regulated by the Forest Land Protection Program. The 1993 McDonald-Dunn Forest Plan recognized the following three geographic zones for the management of the Forest Lands:

- North--all forestland in Dunn Forest (4,030 acres)
- Central--south of the Dunn Forest and north of the Sulfur Springs Road (2,509 acres)
- South--all forestland south of the Sulfur Springs Road including the headwaters of Soap Creek (4,720 acres). Contained within the Southern zone is the Starker Forest Research Zone.

Sources: OSU Forestry GIS Department: <http://www.cof.orst.edu/cf/gis/>
Oregon Geospatial Data Clearinghouse:
<http://gis.oregon.gov/DAS/EISPD/GEO/alphalist.shtml>
Oregon' Statewide Planning Goals and Guidelines, Goal 4: Forest Lands
<http://www.lcd.state.or.us/LCD/docs/goals/goal4.pdf>

VIII. Historic Sites, Buildings, and Districts

Refer to Map VIII.a-Historic Sites, Buildings, and Districts, Map VIII.b-Historic Sites Intersecting with RTP Projects, and Map VIII.c-Historic Sites Intersecting with RTP Projects (illustrating enlargement of key sections).

There are several state and federal laws and regulations that call for preservation and/or enhancement of cultural resources. Of specific relevance to transportation projects are Section 106 of the National Historic Preservation Act (NHPA) of 1966 and Section 4(f) of the Department of Transportation Act of 1966

NHPA Section106 states:

The head of any Federal agency having direct or indirect jurisdiction over a proposed Federal or federally assisted undertaking in any State and the head of any Federal department or independent agency having authority to license any undertaking shall, prior to the approval of the expenditure of any Federal funds on the undertaking or prior to the issuance of any license, as the case may be, take into account the effect of the undertaking on any district, site, building,

structure, or object that is included in or eligible for inclusion in the National Register. The head of any such Federal agency shall afford the Advisory Council on Historic Preservation established under Title II of this Act a reasonable opportunity to comment with regard to such undertaking.

Section 4(f) of the Department of Transportation Act states:

49 U.S.C. 303(c) The Secretary may approve a transportation program or project (other than any project for a park road or parkway under section 204 of title 23) [of the United States Code, “Federal Lands Highways Program”] requiring the use of publicly owned land of a public park, recreation area, or wildlife and waterfowl refuge of national, State, or local significance, or land of an historic site of national, State, or local significance (as determined by Federal, State, or local officials having jurisdiction over the park, area, refuge, or site) only if—

- (1) there is no prudent and feasible alternative to using that land; and*
- (2) the program or project includes all possible planning to minimize harm to the park, recreation area, wildlife and waterfowl refuge, or historic site resulting from the use.*

The Historic properties are any historic district, site, building, structure or object included in, or eligible for inclusion in, the National Register of Historic Places. The following table identifies key historic sites, buildings, and districts within the CAMPO Planning Area that are listed in the National Register of Historic Places. A complete listing of all historic properties within the Corvallis Urban Growth Boundary is included at the end of this chapter.

Property Name	Address	City
Avery--Helm Historic District	Roughly bounded by SW 2nd, 6th, and Jefferson Sts. and OR 20/34 By-Pass	Corvallis
Benton County Courthouse	NW 4th St. between Jackson and Monroe Sts.	Corvallis
Benton County State Bank Building	155 SW Madison Ave.	Corvallis
Benton Hotel	408 SW Monroe	Corvallis
Bethers, George W., House	225 N. 8th St.	Philomath
Bexell, John, House	3009 NW. Van Buren Ave.	Corvallis
Bosworth, Dr. Ralph Lyman, House	833 NW Buchanan Ave.	Corvallis
Bryson, J. R., House	242 NW 7th St.	Corvallis
Burnap-Rickard House	518 SW 3rd St.	Corvallis
Caton, Jesse H., House	602 NW 4th St.	Corvallis
College Hill West Historic District	Roughly bounded by NW Johnson, Polk, Arnold and 36th	Corvallis
Corvallis Hotel	201--211 S.W. Second St.	Corvallis

Crystal Lake Cemetery	1945 SE Crystal Lake Dr.	Corvallis
Episcopal Church of the Good Samaritan	700 SW Madison Ave.	Corvallis
Fairbanks, J. Leo, House	316 NW 32nd	Corvallis
Farra, Dr. George R., House	660 SW Madison Ave.	Corvallis
Fiechter, John, House	William L. Finley National Wildlife Refuge	Corvallis
First Congregational Church	8th and Madison Sts.	Corvallis
Gaylord, Charles, House	600 NW. Seventh St.	Corvallis
Hadley-Locke House	704 NW 9th St.	Corvallis
Helm-Hout House	844 SW 5th St.	Corvallis
Irwin, Richard S., Barn	26208 Finley Refuge Rd.	Corvallis
Julian Hotel	105 SW 2nd St.	Corvallis
Kline, Lewis G., Building	146 S.W. Second St.	Corvallis
Kline, Lewis G., House	308 NW 8th St.	Corvallis
Lewisburg Hall and Warehouse Company Building	6000 NE. Elliott Cir.	Corvallis
Pernot, Dr. Henry S., House	242 SW 5th St.	Corvallis
Philomath College	Main St.	Philomath
Pi Beta Phi Sorority House	3002 NW Harrison Blvd.	Corvallis
Poultry Building and Incubator House	800 SW Washington Ave.	Corvallis
Rickard, Peter, Farmstead	SW of Corvallis	Corvallis
Schuster, Charles L., House	228 N.W. Twenty-eighth	Corvallis
Soap Creek School	37465 Soap Creek Rd.	Corvallis
Taylor, George, House	504 SW 6th St.	Corvallis
Taylor, Jack, House	806 SW 5th St.	Corvallis
Willamette Valley and Coast Railroad Depot—Corvallis	500 S. W. 7th St.	Corvallis
Wilson, James O., House	340 SW 5th St.	Corvallis
Woodward, Elias, House	442 NW 4th St.	Corvallis

Sources: City of Corvallis’ GIS FTP website at:
<ftp://ftp.ci.corvallis.or.us/pw/gis/Planning/HistoricInventory>
National Register Information System (NRIS) at <http://www.nr.nps.gov/> .
The National Historic Preservation Act of 1966, As Amended
<http://www.achp.gov/nhpa.html>
The Department of Transportation Act of 1966
http://www.cr.nps.gov/local-law/FHPL_DOTAct.pdf

IX. Natural Features and Greenbelts

Refer to Map IX.a-Natural Features Inventory, IX.b-Greenbelts

The City of Corvallis has produced its Natural Features Inventories as part of a multi-year Natural Features Project. The project was developed in part to meet Oregon’s Statewide

Planning Goals & Guidelines Goal 5: Natural Resources, Scenic and Historic Areas, and Open Spaces; OAR 660-015-0000(5) which states that:

“Local governments shall adopt programs that will protect natural resources and conserve scenic, historic, and open space resources for present and future generations. These resources promote a healthy environment and natural landscape that contributes to Oregon's livability. The following resources shall be inventoried:

- a. Riparian corridors, including water and riparian areas and fish habitat;*
- b. Wetlands;*
- c. Wildlife Habitat;*
- d. Federal Wild and Scenic Rivers;*
- e. State Scenic Waterways;*
- f. Groundwater Resources;*
- g. Approved Oregon Recreation Trails;*
- h. Natural Areas;*
- i. Wilderness Areas;*
- j. Mineral and Aggregate Resources;*
- k. Energy sources;*
- l. Cultural areas.”*

The Natural Features Project consists of inventories of streams, wetlands, riparian areas, flood plains, areas prone to landslides and wildfires, steep slopes, wildlife habitats, tree groves, scenic views, and archeological resources within the UGB. The Natural Features Inventories is being implemented as part of the City of Corvallis Land Development Code.

The Greenbelt Land Trust owns or has conservation easements on 3 properties within the Corvallis MPO planning area. Those properties are Owen’s Farm (95 acres), Bald Hill Park (177 Acres), and Newton Creek Wetlands (58 Acres).

Sources: City of Corvallis Natural Features Inventory Web Page:
<http://www.ci.corvallis.or.us/index.php?option=content&task=view&id=289&Itemid=241>
City of Corvallis GIS Department:
<ftp://ftp.ci.corvallis.or.us/pw/gis/Planning/ComprehensivePlan>
Oregon’s Statewide Planning Goals & Guidelines, Goal 5
<http://www.lcd.state.or.us/LCD/docs/goals/goal5.pdf>
Karlene McCabe, Executive Director, Green Belt Land Trust, Inc.
karlene@greenbeltlandtrust.org

X. Natural Hazard Areas

Refer to Map X-Natural Hazard Areas

The City of Corvallis has designated areas that are prone to a natural disaster such as flooding, earthquake, landslide, or fire. Areas that lie at or below river/creek level are susceptible to flooding, while areas on graded slope may be susceptible to landslide.

Source: City of Corvallis GIS Department:
<ftp://ftp.ci.corvallis.or.us/pw/gis/Planning/ComprehensivePlan>

XI. Parks, Recreational Sites, and Trails

Refer to Map XI-Parks, Trails, and Recreational Sites

Trails, Parks, and other recreational sites were identified within the Planning area to meet State requirements under Oregon Administrative Rule 660-015-0000(5g).

Trails, Parks, and other recreational sites were located and mapped using the City of Corvallis GIS Department website, the Benton County GIS Department, and the OSU Forestry GIS Website.

Sources: OSU Forestry GIS website: <http://www.cof.orst.edu/cf/gis/>
City of Corvallis GIS Department: <ftp://ftp.ci.corvallis.or.us/pw/gis/>
Benton County GIS Department: <http://ww2.co.benton.or.us/irm/gis/gisdata/>

XII. Protected Riparian Corridors

Map XII-Protected Riparian Corridors, Creeks and Streams (within Corvallis UGB)

Protected riparian corridors were identified within the Corvallis Urban Growth Boundary to meet State requirements under Oregon Administrative Rule 660-015-0000(5a).

Protected riparian corridors are an integral part of the stability of the ecology surrounding a waterway. A Riparian zone or corridor may include tree canopies, grassland, wild shrubs, woodland, and sometimes natural rocky embankments essential to the stability of the soils around the waterway. Riparian zones or corridors may be natural or engineered for soil stabilization or restoration. These zones are important natural biofilters, protecting aquatic environments from excessive sedimentation, polluted surface runoff and erosion. They supply shelter and food for many aquatic animals and shade that is an important part of stream temperature regulation. When riparian zones are damaged by construction, agriculture or silviculture, biological restoration can take place, usually by human intervention in erosion control and revegetation.

Sources: City of Corvallis Development Code:
http://www.ci.corvallis.or.us/downloads/cd/Land%20Development%20Code-%20Ordinance%20Exhibit%20A/CHAPTER%204_13.pdf
City of Corvallis GIS Department:
<ftp://ftp.ci.corvallis.or.us/pw/gis/Planning/ProtectedNaturalFeatures/NaturalResources/RiparianAndWetland>

XIII. Stormwater Basins and Drainage

Map XIII-Stormwater Drainage System and Basins

Stormwater runoff from land and impervious areas such as paved streets, parking lots, and building rooftops during rainfall and snow events often contain pollutants that could adversely affect water quality. Having an separate stormwater drainage system alleviates some of the residual affects of stormwater runoff. This excerpt taken from the Oregon Department of Environmental Quality's Fact Sheet titled Oregon's Phase II Municipal Stormwater Program found at <http://www.deq.state.or.us/wq/pubs/factsheets/stormwater/ph2munistmprg.pdf>:

“In December 1999, EPA adopted rules to implement “Phase II” of the stormwater program. Phase II expanded the stormwater permitting program to include smaller communities located in U.S. census-defined urban areas. Phase II rules require communities to develop, implement and enforce stormwater management programs that address six minimum control measures,

Public Education and Outreach *Distributing educational materials to inform citizens about the impacts polluted stormwater runoff discharges can have on water quality.*

• ***Public Participation/Involvement*** *Providing opportunities for citizens to participate in program development and implementation.*

• ***Unlawful Discharge Detection and Elimination***

Implementing a plan to detect and eliminate unlawful discharges to the storm sewer system (includes developing a system map and informing the community about unlawful discharges and improper disposal of waste).

• ***Construction Site Runoff Control*** *Implementing an erosion and sediment control program for construction activities that disturb one or more acres of land.*

• ***Post-Construction Runoff Control*** *Implementing a program to address stormwater discharges from new development and redevelopment areas. Applicable controls could include preventive actions such as protecting sensitive areas or the use of structural controls such as grassed swales or porous pavement.*

• ***Pollution Prevention/Good Housekeeping*** *Implementing a program aimed at preventing or reducing pollutant runoff from municipal operations. The program must include municipal staff”*

The City of Corvallis is permitted as a Municipal Stormwater 4 Phase II and has a stormwater system independent from its sewer system. There are a total of 20 basins within the Corvallis UGB. Each Basin is named after the primary water feature which impacts the area. For example, the Mary’s River Basin is defined by the Mary’s River that runs through it. The City of Philomath also has a separate stormwater drainage system independent from its sewer system. The City of Adair Village applied for and received a waiver for obtaining a MS4 Phase II permit and is currently exempt from EPA Stormwater requirements.

Due to the lack of GIS data for Philomath and Adair Village, stormwater basins and drainage systems were not mapped for these cities.

Sources: City of Corvallis GIS Department:
<ftp://ftp.ci.corvallis.or.us/pw/gis/Utilities>
Oregon Department of Environmental Quality Fact Sheet
<http://www.deq.state.or.us/wq/pubs/factsheets/stormwater/ph2munistmprg.pdf>

XIV. Toxic Release Inventory Facilities

Refer to Map XIV-Toxic Release Inventory Permitted Facilities

Identification of permitted toxic release facilities is required under the Environmental Protection Agency Act as well as Oregon's Statewide Planning Goals and Guidelines, Goal 6, OAR 660-015-0000(6) which states:

“All waste and process discharges from future development, when combined with such discharges from existing developments shall not threaten to violate, or violate applicable state or federal environmental quality statutes, rules and standards. With respect to the air, water and land resources of the applicable air sheds and river basins described or included in state environmental quality statutes, rules, standards and implementation plans, such discharges shall not (1) exceed the carrying capacity of such resources, considering long range needs; (2) degrade such resources; or (3) threaten the availability of such resources.”

There are four EPA permitted toxic release facilities within the CAMPO Planning Area. These are Evanite Fiber Inc., Hewlett-Packard, Georgia-Pacific, and Oregon Rubber Mills. These sites are listed in the EPA's online toxic release inventory (TRI Explorer) website at

Source: EPA Tri-Explorer:
<http://www.epa.gov/tri/>
Oregon Statewide Planning Goals and Guidelines Goal 6
<http://www.lcd.state.or.us/LCD/docs/goals/goal6.pdf>

XV. Wetlands

Refer to Map XV.a-Wetland Inventory, and Map XV.b-Wetland Mitigation Banks

The Code of Federal Regulations Title 23, Part 777.7 (23 CFR Part 777.7) requires mitigation of transportation impacts on wetlands and natural habitats. Specifically:

(1) The importance of the impacted wetlands and natural habitats;

(2) The extent of highway impacts on the wetlands and natural habitats, as determined through an appropriate, interdisciplinary, impact assessment; and

(3) Actions necessary to comply with the Clean Water Act, Section 404, the Endangered Species Act of 1973, and other relevant Federal statutes.

(b) Evaluation of the importance of the impacted wetlands and natural habitats shall consider:

(1) Wetland and natural habitat functional capacity;

(2) Relative importance of these functions to the total wetland or natural habitat resource of the area;

(3) Other factors such as uniqueness, esthetics, or cultural values;
and

(4) Input from the appropriate resource management agencies through

interagency coordination.

(c) A determination of the highway impact should focus on both the short-and long-term affects of the project on wetland or natural habitat functional capacity, consistent with 40 CFR part 1500, 40 CFR 1502.16, 33 CFR 320.4, and the FHWA's environmental compliance regulations, found at 23 CFR part 771.

A wetland can be thought of as the integration of terrestrial and aquatic areas, for which both are interdependent yet separate from one another. A wetland is typically defined first and foremost by the natural water features which serve host to biodiversity. In the CAMPO Planning Area, two major wetlands dominate the area: The Jackson-Frazier Wetland and the Squaw Creek Wetland. With the designation of wetland, these areas enjoy a higher level of environmental protection and conservation, as both are integral to the stability of the native vegetation and wildlife habitats.

Wetland Mitigation Banks

A mitigation bank is a wetland, stream, or other aquatic resource area that has been restored, established, enhanced, or (in certain circumstances) preserved for the purpose of providing compensation for unavoidable impacts to aquatic resources permitted under Section 404 or a similar state or local wetland regulation. A mitigation bank may be created when a government agency, corporation, nonprofit organization, or other entity undertakes these activities under a formal agreement with a regulatory agency.

In the Corvallis MPO planning area, there are two mitigation banks identified by the Oregon Department of State Lands and the United States Army Corps. Of Engineers. They are:

Bank Name - Frazier Creek

Nearest City - Corvallis

Approval Status - Approved Spring 2003

Approximate Size - 26 acres

Maximum credits to be developed - 13 credits first phase

Bank Name - Evergreen

Nearest City - Philomath

Approval Status - Approved December 2006

Approximate Size - 175 acres

A possible future mitigation bank may lie within the Newton Creek Wetlands conservation easement currently held by the Greenbelt Land Trust Inc. The property is 58 acres. The Greenbelt Land Trust is currently working with the City of Philomath on this property.

Sources: City of Corvallis GIS Department:

<ftp://ftp.ci.corvallis.or.us/pw/gis/Planning/NaturalFeaturesInventory/FinalReport/LWIGISFiles/GISFiles>

Benton County GIS Department: <http://ww2.co.benton.or.us/irm/gis/gisdata/>
Code of Federal Regulations, Title 23, Volume 1:

<http://www.gpoaccess.gov/cfr/index.html>
Oregon Department of State Lands
http://www.oregon.gov/DSL/PERMITS/mitbank_status.shtml
US Army Corps. Of Engineers
<https://www.nwp.usace.army.mil/op/g/docs.asp?id=1127168714936&lvl=groups>
EPA Wetland Mitigation Factsheet
<http://www.epa.gov/owow/wetlands/facts/fact16.html>

XVI. Willamette River Greenway

Refer to Map XVI-Willamette River Greenway

The Willamette River Greenway was originally established by the 1967 Oregon Legislature as a grant program to State Parks for land acquisition along the Willamette River. The Greenway evolved from a state parks and recreation program in 1970 to a corridor program in 1972. In 1973 it developed into a land use program under the joint administration by State Parks & Recreation Division, Land Conservation and Development Department and local jurisdictions. The protection of the Willamette River Greenway is Goal 15 in the Benton County Comprehensive Plan as well as Goal 15 in the Statewide Planning Goals. The Greenway designation restricts or prevents certain land use activities from taking place along the Willamette River for the purpose of protecting the integrity of the river and its riparian zone.

Source: Benton County Comprehensive Plan, Goal 15

http://www.co.benton.or.us/cd/planning/documents/CP_goal_15.pdf ;
<ftp://ftp.ci.corvallis.or.us/pw/gis/Planning/>

XVII. Environmental Justice

Refer to Map XVII.a-Environmental Justice: Minorities, and Map XVII.b-Environmental Justice: Poverty

Executive Order 12898, *Federal Actions to Address Environmental Justice in Minority Populations and Low-income Populations (1994)* was enacted to reinforce Title VI of the Civil Rights Act of 1964. In the Civil Rights Act it is stated that “No person in the United States shall, on the grounds of race, color, or national origin be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance” (*U.S. Code 1964*). Executive Order 12898 states, “Each Federal agency shall make achieving environmental justice part of its mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on minority populations and low-income populations” (*Federal Register 1994*).

As an entity utilizing federal funds, the Corvallis Area Metropolitan Planning Organization is responsible to successfully integrate environmental justice standards into its transportation program and planning activities. Any program or activity receiving federal financial assistance cannot discriminate against people based on race, color, national origin, age, sex, disability, religion or income status. Title VI and environmental justice laws require CAMPO to

- Avoid, minimize, or mitigate disproportionately high and adverse effects of its activities on minority populations and low-income populations,

- Ensure involvement of low-income and minority groups in the decision making process, and
- Ensure low income and minority groups receive their fair share of benefits

CAMPO produced the following maps to identify the population of the Planning Area that is subject to the requirements of EJ by producing the following maps:

A. Percent of Minorities by Census Block Group

Census GIS data was obtained through the Oregon Geospatial Data Clearinghouse. The raw 2000 Census data was obtained through the Census Bureau: www.census.gov. Percentages were calculated by totaling the number of minorities within each census block group and dividing that number by the total population within each block group. A new geodatabase was then created for the Minority percentages and joined with the existing 2000 Census block GIS shapefile obtained through the Oregon Geospatial Data Clearinghouse.

B. Percent of Poverty by Census Block Group:

Census GIS data was obtained through the Oregon Geospatial Data Clearinghouse at <http://gis.oregon.gov/DAS/EISPD/GEO/alphalist.shtml>. The raw 2000 Census data was obtained through the Census Bureau at www.census.gov. Percentages were calculated by totaling the number of individuals (of all age group classifications) at or below the Federal poverty level. This total was then divided by the total population within each of those block groups. A new geodatabase was then created for the Poverty percentages and joined with the existing 2000 Census block GIS shapefile obtained through the Oregon Geospatial Data Clearinghouse.

Consultation

CAMPO has engaged in consultation activities with cognizant entities and stakeholders.

Fish and Wildlife

Consultation was made with officials of the Oregon Department of Fish and Wild Life, South Willamette Watershed District on the maps of the Critical Fish Species Habitats and Critical Wildlife Species Habitats. They reviewed the maps and provided the following comments:

Although Coho and Fall Chinook do occur in the subject area, they are not ESA-listed above Willamette Falls and should therefore be removed from the map. Spring Chinook (ESA Threatened) (juvenile rearing) do occur in portions of the Mary's River Basin. Therefore, they should be added to:

- *Mary's River mainstream (mouth to Philomath UGB)*
- *Oak Creek (mouth to UGB)*
- *Muddy Creek (mouth to map edge)*

Oregon Chub (ESA Endangered) occur in Bull Run Creek just above the confluence with Muddy Creek.

The comments above will be added to Map IV.a

Additionally, staff consulted with the Corvallis ODFW Wildlife Division and was encouraged by staff to add a new map displaying sensitive habitat areas within the planning area. The new map is labeled as Map IV.c. It should be noted that due to the lack of data for many sensitive or threatened species within the planning area, these species cannot be spatially mapped to appropriately reflect location. Wildlife species, such as the Nelson's checkermallow (flowering plant), occur specifically within areas classified as "Wet Prairies" which are essential wetlands or open meadows surrounded by water or have a water feature running through it. A listing of species and their probable habitat was provided by ODFW Wildlife Division staff and can be found as an appendix to the chapter.

Indian Tribes

There is no Indian reservation within or adjacent to the CAMPO Area. Of all the federally recognized Indian Tribes in Oregon, the Confederate Tribes of Siletz Indians is the nearest one to the MPO boundaries. The Siletz Tribes is located approximately 60 miles west of the MPO area in Lincoln County. The MPO contacted the Tribes and inquired about any tribal interest within the MPO boundaries. The preliminary response indicates that there might be some cemetery or relics within the area. Additional communication with the Tribal officials will be pursued.

The site of the City of Corvallis, however, had been occupied by the Calapooia (also spelled Kalapooia, or Kalapuya) Indian Tribes prior to the settlement of the Euro-Americans in the late 1700s. There were 8 separate groups within the Calapooia Tribe, two of whom were living in or nearby the current MPO Planning Area. These were Mary's River (Chepenefa) and the Muddy Creek (Chemapho) people. Between 1782 and 1883, all but a handful of Calapooians remained in the Willamette Valley, as disease wiped out nearly 90% of the tribe. The very few

remaining tribe members merged with the federally recognized Confederated Tribes of Grand Rhonde in January of 1855 under the Dayton Oregon Treaty. Under this treaty, the Tribes ceded the entirety of the Willamette River drainage area to the United States. Today, Calapooia is not officially recognized by the federal government as a tribe.

Complete Listing of Historic Properties within the Corvallis UGB

HISTORIC_NAME	CURRENT_NAME	ADDRESS
William Crees House		1441 NW GRANT AVE
Minor-Allen House	Wagner rental property	808 NW 11TH ST
Mary Watts House	Capretta residence	728 NW 12TH ST
Tillie Read (Boathouse) House	George residence	711 NW 13TH ST
Edward and Mellie May Ryder House	Donahue rental property	637 NW 14TH ST
Jennings-Thompson House	Orchinik rental property	539 NW 17TH ST
W.W. and Alice Ryder House	Norris residence	621 NW 14TH ST
Sarah Bevens House	Reedy rental property	633 NW 13TH ST
Oregon-Corvallis Hatchery	Stained Glass Mystery	701-707 NW 11TH ST
Putnam-Taylor House	Sutherland rental property	434 NW 18TH ST
Ladd-Horner-Shaner Rental House	Bach residence	445 NW 18TH ST
Ryder Rental House	Piland residence	602 NW 13TH ST
Emry-Wilt House	King residence	627 NW 12TH ST
Merle Moore House	Picchi rental property	1058 NW TAYLOR AVE 2750 NW HARRISON BLVD
Corvallis General Hospital	Heart of the Valley	
Becker House	Holbo rental property	540 NW 14TH ST
Alpha Gamma Delta Sorority House		360 NW 26TH ST
Theta Chi Fraternity House		361 NW 26TH ST
Kappa Sigma Fraternity House		354 NW 25TH ST
Taylor-Bellmar House	Borders rental property	624-630 NW 11TH ST
Hadley-Locke House		704 NW 9TH ST
E.L. and Vera Getz House		2801 NW ARNOLD WAY
Washington School	Benton Center	630 NW 7TH ST 2310 NW HARRISON BLVD
Ira and Sadie Allison House	Harrison House	
Flint-Cramer House	Carns rental property	1161 NW POLK AVE
Huff-Henderson Rental	Haines residence	504 NW 15TH ST
Lance House	Gray rental property	446 NW 16TH ST
Rodney & Lucile Whitmore House		2769 NW ARNOLD WAY
Adams-Hanshew House	Sevruck rental property	604-614 NW 11TH ST
Charles Gaylord House		600 NW 7TH ST
Phi Gamma Delta Fraternity House		348 NW 25TH ST
None	Lumm rental property	619-627 NW 10TH ST
Hadley-McFadden House		624 NW 9TH ST
Church of Christ	United Pentecostal Church	444 NW 15TH ST
Holstrom House	Marino residence	1363 NW TYLER AVE
Swanson-Hawley-Dodge House	Muckleston residence	1009 NW POLK AVE
James and Irene Shaw House		335 NW 25TH ST
Johnson-Sheppard-Hardy House	Pease rental property	528 NW 12TH ST
Howard House	McCormick rental property	430-432 NW 15TH ST
Alpha Xi Delta Sorority		330 NW 23RD ST
None	Larson residence	519 NW 13TH ST
Johnson-Smith House		2745 NW ARNOLD WAY

Logan-Auld House		2731 NW ARNOLD WAY
Taylor House	Wilson residence	500 NW 13TH ST
Eunice Courtright House		327-331 NW 25TH ST
Frank & Grace Burnap House		341 NW 21ST ST
Alpha Chi Rho Fraternity House	Sigma Chi Fraternity House	312 NW 25TH ST
Eugene & Erma Robinson House		2725 NW ARNOLD WAY
Gamma Iota Sorority	Graham rental property	530 NW 11TH ST
E.D. & Constance Roberts House		2719 NW ARNOLD WAY
Alpha Tau Omega Fraternity House		309 NW 26TH ST
William McLagan House		2856 NW VAN BUREN AVE
T.J. Starker House		320 NW 23RD ST
H.R. and Frank Patterson House		2713 NW ARNOLD WAY
Wilkes House/Caroline Apartments	Caroline Apartments	525-533 NW 11TH ST
Tucker House	Hanson rental property	520 NW 11TH ST
Grant and Leta Feikert House		321 NW 23RD ST
L.B. Courtney House		330 NW 21ST ST
Felberbaum-Stiner House		2707 NW ARNOLD WAY
U.G. and Ida Dubach House		2657-2661 NW VAN BUREN AVE
Reader House	Nielson rental property	437 NW 14TH ST
Delta Zeta Sorority House	Van Buren Street Boarding Hou	2311 NW VAN BUREN AVE
Archibald House	Holdorf rental property	505 NW 12TH ST
Maxfield House	Caroline Apartments	519 NW 11TH ST
Permanent Home		2205 NW VAN BUREN AVE
Morgan House	Gustafson rental property	336-344 NW 16TH ST
Ben & Mary Nichols House		308 NW KINGS BLVD
Marie A. Summers House		2015 NW VAN BUREN AVE
Sigma Kappa Sorority House		231 NW 26TH ST
King, Moss and Ida, House		2677 NW ARNOLD WAY
Delta Upsilon Fraternity House		235 NW 25TH ST
Buchanan House	Anderton rental property	505 NW 11TH ST
Alvin and Emma Ball House		2019 NW VAN BUREN AVE
Mrs. M.E. Cummings House		302 NW 21ST ST
Swain Court	Hortsch rental property	1355 NW HARRISON BLVD
Wells House	Street/Wagner rental property	440 NW 11TH ST
McCaustland-Moore House	Spatafora residence	406 NW 13TH ST
Fred and Mary V. Walker House		246 NW 21ST ST
Wrigglesworth House	Levien Residence	416 NW 12TH ST
O.K. and Maple Beals House		2050 NW VAN BUREN AVE
Crees House	Peters/Herson residence	445 NW 11TH ST
Robert Holroyd House	Hyslop House	544 NW 7TH ST
Jordan-Harding Rental House	Frank residence	403 NW 13TH ST

Mrs. Maria Porter House		250-252 NW KINGS BLVD
Haenel-Schubert Boarding House	Windom rental property	419 NW 12TH ST
George W. Peavy House		210 NW 23RD ST
James Withycombe House		218-222 NW 21ST ST
Ralph and Helen Besse House		229 NW 21ST ST
Peter Polly House		641 NW 4TH ST
Ava Milam House		127 NW 26TH ST
		1463 NW VAN BUREN
Bullis-Wood House	Englert rental property	AVE
Will and Frieda Taylor House		212 NW 21ST ST
Jesse H. Caton House	Dixon-Caton House	602 NW 4TH ST
Dr. Anderson's Surgical Hospital	Anderson House	2406 NW JACKSON AVE
Wuestefeld House		510 NW 7TH ST
William Mittlestadt House		227 NW 17TH ST
Schneider's Fountain	The Beanery	111 NW 26TH ST
Blakeslee-Covell-Helm House	Johnson rental property	334-336 NW 12TH ST
Wuestefeld House		504 NW 7TH ST
James Stewart Fraternity Rental		242 NW 15TH ST
Union Depot/ Southern Pacific	Corvallis Depot	603 NW 2ND ST
Avondale Apartments	Avondale Apartments	204 NW 17TH ST
Lucy Francisco House		663 NW TYLER AVE
		1335 NW VAN BUREN
		AVE
Tau Delta (Chi Phi) Fraternity	Kappa Kappa Gamma	
Brown House	Sorority	402 NW 10TH ST
College Crest Store	Kitson/Yu rental property	2525 NW MONROE AVE
None	American Dream Pizza	321 NW 13TH ST
John and Clara Heeszal House	Whitener residence	146 NW 21ST ST
George Taylor House		504 NW 6TH ST
E.A. & Grace Schweining House	Oliver House	204 NW KINGS BLVD
		1460 NW VAN BUREN
		AVE
Theta Xi Fraternity House	Tau Kappa Epsilon	
Schultz-Dryden House	Fraternity	445 NW 8TH ST
Magruder House		2323 NW MONROE AVE
Leeper-Flook House	Sigma Pi Fraternity House	318 NW 12TH ST
Stewart House	Corden rental property	618 NW 2ND ST
J.W. and Cora Morgan House		120 NW 23RD ST
Gove-Jordan House	Heck residence	345 NW 11TH ST
Westminster House	Westminster House	101-115 NW 23RD ST
Bryerly		2129 NW MONROE AVE
Earl & Golda Canfield House		211 NW 16TH ST
Cady-Thurber Rental House	Schoning rental property	302 NW 12TH ST
	Wagner/Street rental	
	property	315-319 NW 12TH ST
Fairview Apartments/Fairview		327 NW 11TH ST
Handy-Lafferty-Crowhurst House	Gerding rental property	2127 NW MONROE AVE
Hillside		440 NW 6TH ST
R.E. Gibson House	Pinkerton House	219 NW 15TH ST
John & Mary Whittemore House		328 NW 10TH ST
Schultz-Leeper House	Rudisill rental property	

Archie Johnson House		330 NW 9TH ST
Phi Sigma Kappa Fraternity	Pi Kappa Alpha Fraternity	209 NW 14TH ST
Jones-Gabel House	Vidana Residence	320 NW 10TH ST
McLennan-Zigler House	Enzensperger rental property	313 NW 11TH ST
Frederic Berchtold House		560 NW TYLER AVE
Howard-Smith Rental	Glitz rental property	230 NW 13TH ST
Strange House	White residence	306 NW 10TH ST
Pool House	Poet residence	245 NW 12TH ST
None	Corden rental property	234 NW 12TH ST
Charles E. Peterson House		420 NW 6TH ST
Benjamin Biddle House	Porter House	406 NW 6TH ST
James C. Taylor House		510 NW 3RD ST
Lemon House	Sumners rental property	961 NW VAN BUREN AVE
Theta Delta Nu (Delta Chi) Fraternity	Delta Chi Fraternity	203 NW 13TH ST
DeArmond/Williams House	The White House	132 NW 15TH ST
Woodward-Gellately House	Port of Hair Design	442 NW 4TH ST
Zion Evangelical Lutheran Parish	University Christian Center	1655 NW MONROE AVE
Yates House	Mary Goldblatt House	340 NW 7TH ST
William Mackay House		253 NW TYLER AVE
Mrs. Lula Howard House		144 NW 14TH ST
None	Sweeney rental property	149 NW 14TH ST
John Gortmaker House	The Red House	120 NW 15TH ST
Margaret Shupe Duplex	Young rental property	210-214 NW 11TH ST
L.G. Kline House		308 NW 8TH ST
Levi Henkle House		502 NW 2ND ST
Underwood-Handy House	Sams residence	231 NW 11TH ST
J.F. Yates Rental House		323 NW 8TH ST
William G. Lane House		435 NW 4TH ST
C.L. Gentry Building		1555-1557 NW MONROE AVE
Spangler House		344 NW 6TH ST
Cascade Club/Gamma Nu Fraternity	Mishler rental property	227 NW 11TH ST
Hay Apartments	Jeske Apartments	146 NW 12TH ST
J.D. Hughson House		202 NW 11TH ST
Hay-Kienle Rental	Corden rental property	153 NW 13TH ST
Minor-Kempin House		442 NW 2ND ST
Phi Delta Theta Fraternity	Phi Delta Theta Fraternity	120 NW 13TH ST
Omega Upsilon (Delta Tau Delta) Fraternity	Phi Sigma Kappa Fraternity	127 NW 13TH ST
None	Debritto residence	222 NW 10TH ST
Hayden Club Fraternity/Alpha	Cox rental property	205 NW 11TH ST
Fruitt House	Pancratz House	434 NW 2ND ST
W.A. Wells House		236-244 NW 8TH ST
Wilder Apartments	Wilder Apartments	963 NW JACKSON AVE
First Methodist Episcopal Church	First United Methodist Church	1165 NW MONROE AVE
Shupe House	Baptist Student Union	130 NW 12TH ST
Kappa Sigma Fraternity House	Cathryn Apartments	239 NW 8TH ST

McElroy House		611 NW VAN BUREN AVE
Arpke-Solberg House	Thayer Residence	120 NW 12TH ST
Montgomery-Copson House	Ferry residence	147 NW 11TH ST
Bryson House		242 NW 7TH ST
W.T. Wiles House		218 NW 8TH ST
Wells-Savage House		206 NW 8TH ST
William A. Bates House		660 NW VAN BUREN AVE
Sigma Nu Fraternity		143 NW 10TH ST
Emily Pernot House		222 NW 7TH ST
Atwood House		214 NW 7TH ST
Leach House		206 NW 7TH ST
Corvallis Public Library	Corvallis Public Library	645 NW MONROE AVE
Presbyterian Church	1st Presbyterian Church of Co	114 SW 8TH ST
Benton County Courthouse		120 NW 4TH ST
Corvallis Woman's Club Building		117 SW 7TH ST
Humphrey Building	Multiple names	551-557 NW MONROE AVE
Jeffreys House	Porter House	142 SW 8TH ST
Bogue House		202 SW 9TH ST
Maggie Weigand Building		133-135 NW 2ND ST
First Congregational Church	Demoss-Durdan Building	760 SW MADISON AVE
Episcopal Church of the Good	Corvallis Arts Center	700 SW MADISON AVE
Hotel Benton	Benton Plaza	408 SW MONROE AVE
John W. Foster House		859-861 SW JEFFERSON AVE
Madison Street Methodist Church	Corvallis City Hall	501 SW MADISON AVE
Wells Fargo Office	Office of Corvallis City Engi	563 SW MADISON AVE
Blue Mouse Theatre	Benton Printers and Lithograp	106 NW 2ND ST
George Ferra House		660 SW MADISON AVE
Johnson Porter Buildings		100-114 SW 3RD ST
First Christian Church		602 SW MADISON AVE
City Meat Market	Yoga Center and More Madness	111 NW 2ND ST
Buxton-Corrie House		245 SW 8TH ST
Pulley/Darling/Hyde-Thatcher	The Kid Shop	116 SW 3RD ST
Pulley/Darling/Hyde-Thatcher	Konick's Jewelers	120 SW 3RD ST
Fisher Block		104 SW 2ND ST
Pulley/Darling/Hyde-Thatcher	Berlene's	124 SW 3RD ST
Whiteside Theatre	Whiteside Theatre	361 SW MADISON AVE
Lafferty Building	Multiple names	128-136 SW 3RD ST
Hotel Corvallis/Hotel Julian	Frontier Building	103-107 SW 2ND ST
The Harding Building	Nolans Department Store	301-311 SW MADISON AVE
John A. Bexell House		762 SW JEFFERSON AVE
Johnson Porter/Majestic Theater	Varsity Theatre	115-121 SW 2ND ST
Rennie-Smith Building		259 SW MADISON AVE
Claude I. Lewis House		754 SW JEFFERSON AVE

Pernot House		202-236 SW 5TH ST
John Fulton House	Jefferson Street House	563 SW JEFFERSON AVE
The Taylor Building		136 SW 2ND ST
Dr. H.S. Pernot House		242 SW 5TH ST
L.G. Kline Building	Acme Shoe Store	219-235 SW MADISON AVE
Martha Lane House		329 SW 8TH ST
Benton County State Bank	Night Deposit	143 SW 2ND ST
Crees Building	McGregors	228-230 SW 3RD ST
Neil Newhouse House		558 SW JEFFERSON AVE
John B. Horner House		343 SW 8TH ST
Dick Kiger House		508 SW JEFFERSON AVE
Charles Whiteside House		344 SW 7TH ST
W.C. Crawford House		802-814 SW ADAMS AVE
Hotel Corvallis	Corvallis Hotel	201-211 SW 2ND ST
Frederick Fischer House		460 SW JEFFERSON AVE
George Whiteside House		320 SW 5TH ST
Kline's Department Store		215-231 SW 2ND ST
James A. Wood Grocery Store		845-863 SW WASHINGTON AVE
Oregon and Pacific Railroad Depot		530-550 SW 7TH ST
J.O. Wilson House		340 SW 5TH ST
None	Vance (Herbert) House	421-423 SW 8TH ST
James Haves House		404 SW 6TH ST
Burnett Block		300-310 SW 2ND ST
Corbett Rental House		622 SW 11TH ST
Corvallis Post Office		311 SW 2ND ST
S.K. Hartsock House		412 SW 5TH ST
Full Gospel Assembly Church		349 SW 4TH ST
Emery J. Newton House		663 SW WASHINGTON AVE
William and Laura Martin House		624 SW 11TH ST
Armory T. "Slats" Gill House		421 SW 5TH ST
Crawford and Farra Building		340-344 SW 2ND ST
George and Myrtle Brown House		704 SW 13TH ST
Ann Smith House		558 SW WASHINGTON AVE
J.C. Avery Building	Robnett's Hardware	400 SW 2ND ST
O.L. & Margaret Davis House		712 SW 13TH ST
A.L. Stevenson Garage	Jack Scoville Ltd.	442 SW 2ND ST
None	None	527 SW 5TH ST
Cora and Charles Kurtz House		744 SW 14TH ST
C. A. Troxel speculative House		804 SW 10TH ST
Burnap-Rickard House		518 SW 3RD ST
G.A. Robinson House	Henry Robinson House	634 SW 7TH ST
McKellips-Groves Garage	Wilhelm's Garage	500 SW 2ND ST
J.H. Harris House		606 SW 5TH ST
Mrs. Elsa Raber House		820 SW 11TH ST

John M. Osburn House		830 SW 8TH ST
Jesse & Metora Merryman House		829 SW 11TH ST
Buxton House	Moore House	626 SW 5TH ST
Frank & Lola Sharrai House		900 SW C AVE
C.A. Troxel House		902 SW 11TH ST
Ella Johnson House		602 SW 2ND ST
Troxel Speculative House		912 SW 11TH ST
Thomas Cauthorn House		628 SW 3RD ST
John Rickard House		704 SW 3RD ST
Ruth Buchanan House		730 SW 4TH ST
B.L. Arnold House		800 SW 5TH ST
E. E. and Anna Larned House		1012 SW 10TH ST
Jack Taylor House		806 SW 5TH ST
Martha Avery Fulton House		805-807 SW 5TH ST
F.A. Helm House		844 SW 5TH ST
City Park	Pioneer Park	PIONEER PARK
Georgia Pacific Railroad Land		LOCOMOTIVE
Avery's Dam		AVERY'S DAM
Corvallis Millrace		MILLRACE
Marysville Landing		MARYSVILLE LANDING
Territorial Capitol Marker		TERRITORIAL CAP MARKER
Van Buren Street Bridge		HWY 34 BRIDGE
Peter Rickard Barn	Skelton Barn	FAIRGROUNDS
Jefferson Street Tree Canopy	Jefferson Street Tree Canopy	JEFFERSON AVE TREES
Blakeslee-Covell-Helm House	Johnson rental property	335-337 NW 12TH ST
Dr. Margaret Snell Rental House		865 NW JACKSON
Blanchard-Snell House		853 NW JACKSON
26th Street Grocery		2535 NW MONROE
Campus Drug Store	Clodfelter's	1501-1505 NW MONROE AVE
E.W. Fisher Building		225-231 SW 2ND ST
Benjamin Bates House		630 NW 35TH ST
Leo and Sarah Friedman House		3406 NW POLK AVE
College Hill School		510 NW 31ST ST
Lester and Bertha Stutz House		529 NW 34TH ST
W.O. and Sinah Parks House		526 NW 35TH ST
William and Mabel Schoenfeld		506 NW 35TH ST
John and Louise Kierzek House		506 NW 34TH ST
Frank and Elizabeth Smith House		505 NW 35TH ST
Casa Musica		3560 NW TYLER AVE
Clarence and Hopewell Rands House		444 NW 35TH ST
M.H. and Jettie Allen House		3456 NW TYLER AVE
Clarence Whiteside Rental		443 NW 34TH ST
Vane and Fern Gibson House		435 NW 34TH ST
Elizabeth Barnes House		426 NW 34TH ST
Donald and Rosalie Allen Hill House		427 NW 34TH ST

Ivan Laughery House	418 NW 34TH ST
Nash and Florence Taylor House	419 NW 34TH ST
Thomas and Edna Allen House	3307 NW HARRISON BLVD
C.P. and Betty Brands House	3505 NW HARRISON BLVD
Donald and Clara Stuart House	3407 NW HARRISON BLVD
Charles and Helen Mitchell House	3355 NW HARRISON BLVD
Charles and Elizabeth Underwood House	342 NW 29TH ST
R. and Ruth Reitsma House	329 NW 31ST ST
Charles Overton House	330 NW 29TH ST
Chi Omega Sorority/Acacia Fraternity	2857 NW VAN BUREN AVE
J.W. and Harriet Wilt House	312 NW 28TH ST
John and Dena Bexell House	3009 NW VAN BUREN AVE
Ernest and Josephine Wiegand House	302 NW 29TH ST
Delta Alpha Sorority	304 NW 28TH ST
E.T. Erickson House	249 NW 31ST ST
W.J. and Faith Gilmore Rental	240 NW 30TH ST
Oran and Charlotte Nelson House	250 NW 28TH ST
Nora Hamlin House	242 NW 28TH ST
W.L. and Mabel Powers House	2730-2734 NW ARNOLD WAY
Harold and Catherine Dilberge House	234 NW 29TH ST
Edith McLean House	236 NW 28TH ST
Delmar and Gladys Whipple Goode House	225 NW 31ST ST
Paul Womer House	227 NW 29TH ST
Charles and Carl Schuster House	228 NW 28TH ST
M.H. and Jettie H. Allen House	221-225 NW 28TH ST
Howard Barss House	2716 NW ARNOLD WAY
Francois and Violette Gilfillan House	221 NW 31ST ST
Arthur and Minnie Brooks House	220 NW 30TH ST
D.D. and Emma Berman House	218 NW 28TH ST
Edna Tibbits Seamons House	219 NW 28TH ST
Durrell/Gilbert House	210 NW 29TH ST
E.V. and Mary Holloway House	2961 NW JACKSON AVE
Settlemier/Thompson House	212 NW 28TH ST
Xi Beta Sorority	2735 NW JACKSON AVE
Alpha Xi Delta Sorority	2723 NW JACKSON AVE
W.A. and Lillian Jensen House	2700 NW ARNOLD WAY
S.M. and Ethel Zeller House	206 NW 30TH ST
Helen Bryce Brooks Johnson House	2807-2809 NW JACKSON AVE
Arthur and Helen Clarke House	204 NW 27TH ST
N.L. and Ruth Tarter House	154 NW 30TH ST
Joseph and Alice Simmons House	2960 NW JACKSON AVE

Myron and Clara Myers House	2914 NW JACKSON AVE
Mark Clyde and Mary Phillips House	146 NW 28TH ST
Waldo and Mable Ball House	143 NW 28TH ST
J.A. Gilkey House	132-136 NW 30TH ST
Kathryn and Grace Jones House	134 NW 29TH ST
Arthur and Sarah Peck House	133 NW 29TH ST
Charles and Marjorie Wilson House	136 NW 28TH ST
Earl and Gladys Mason House	124 NW 29TH ST
L.P. and Corda Arnold House	128 NW 28TH ST
M.B. and Venus McKay House	107 NW 31ST ST
Earl and Ruby Mary Willey House	121 NW 29TH ST
Clifford and Helen Smith House	120 NW 28TH ST
Alton and Elva Everest House	112 NW 29TH ST
Tracy and Leone Sands Johnson House	111 NW 29TH ST
Harry and Elsie Lindgren House	113 NW 28TH ST
William and Maude Messer House	104 NW 28TH ST
Zion Evangelical Lutheran Church House	104 NW 29TH ST
Sarah and E.A. Howey House	2713-2827 NW ORCHARD AVE
F.L. and Elizabeth Robinson House	40 NW 27TH ST