



# Oregon

John A. Kitzhaber, M.D., Governor

Department of Transportation

ODOT Region 5

3012 Island Avenue

La Grande, Oregon 97850-9497

Phone: (541) 963-1345

Fax: (541) 963-9079

**DATE:** April 12, 2012

**TO:** Oregon Transportation Commission

**FROM:** Mathew L. Garrett  
Director

**SUBJECT:** May 2012 OTC Consent Agenda Item  
Adoption of the I-82/US 730 Interchange Area Management Plan

### **Requested Action**

Region 5 requests that the Oregon Transportation Commission (OTC) adopt the I-82/US 730 Interchange Area Management Plan. Adoption of this facility plan will amend the Oregon Highway Plan (OHP) to include an Interchange Area Management Plan (IAMP) for the Umatilla interchange area at Exit 1 along I-82. OTC adoption will establish policies for the interchange area to guide Oregon Department of Transportation (ODOT) and local governments for managing the interchange facilities. The IAMP has been adopted into all relevant local comprehensive plans and transportation system plans.

### **Background**

The IAMP is a strategic transportation plan that is designed to protect the long-term function of the I-82/US 730 interchange by preserving the capacity of the interchange while providing safe and efficient operations between connecting roadways. The IAMP identifies land use management strategies, short-term and long-term transportation improvements, access management goals, and strategies to fund identified improvements. The IAMP planning efforts have resulted in policies, ordinances, and other provisions that have been adopted into the City of Umatilla and Umatilla County's Transportation System Plan (TSP) and Comprehensive Plan.

The signalized intersections of Brownell Boulevard/US 730 and the southbound I-82/US 730 ramp terminal are located within close proximity of one another resulting in undesirable operations. Queuing problems associated with truck traffic accessing the Umatilla POE weigh station occur during mid-summer and fall harvests. The IAMP shows that this will likely occur more frequently in the future as traffic volumes increase. The POE and weigh station coincides with the northwest quadrant of the I-82/US 730 interchange. A truck stop, restaurant, fueling station and other commercial development are located in the southwest quadrant. East of the interchange is primarily vacant land within the City's Urban Growth Area (UGA) that includes the intersection of US 730/US 395 within the interchange study area.

The I-82/US 730 interchange is an urban interchange that connects US 730 with I-82. It is the only interchange serving Umatilla. The interchange is also important for interstate freight travel, as it provides access to the Umatilla Port of Entry (POE) for trucks entering Oregon from Washington. This interchange primarily facilitates movements between I-82 and US 730. I-82 is a short, but significant, interstate highway that connects the state of Washington to the I-84 corridor. US 730 is a regional highway. Locally known as 6<sup>th</sup> Street through Umatilla, US 730 provides one of two east-west connections between downtown Umatilla and

the McNary area, making it a vital connection to the city. Beyond Umatilla, US 730 connects to I-84 southwest of Irrigon and to US 12 in Washington to the east.

Relocating the existing POE is the central component of the plan. The amount of truck traffic the POE brings into the area is a significant factor behind the existing traffic issues at the interchange. Relocating the POE is estimated to cost as much or less than modifying the interchange to continue to accommodate the existing POE in the long-term. The plan identifies a potential relocation site for the POE, south of the I-82/US 730 interchange along the I-82 corridor and within the City's UGA. This location would allow the POE to have direct access to I-82 and to be rebuilt to accommodate more overnight truck parking. This plan also identifies the development of a permanent weigh station on US 730, somewhere west of Umatilla, and a truck scale to be used as needed on US 395 to more effectively serve and enforce freight movements on US 730 and US 395.

A series of local plan, policy, and ordinance amendments were adopted by the City of Umatilla in December, 2011 and Umatilla County in March, 2012 in support of this IAMP. OTC adoption of this facility plan will affirm its compatibility with the local comprehensive plans. Adoption of this facility plan will make the local actions already taken consistent with the state transportation plan. Adoption into the state plan also helps protect the decisions made locally be consistent with the Transportation Planning Rule (TPR), requiring local plans be consistent with the state plan. Adoption by the OTC is the complimentary action to support the legal proceedings and actions that have been completed by the local agencies.

The IAMP is attached as exhibit "A." Additional copies of the facility plan may be requested from ODOT Region 5 Planning (541) 963-1344, or from the ODOT ftp site:  
[\\S0442c\ftp\outgoing\I-82\\_US730\\_Umatilla\\_IAMP](ftp://S0442c\ftp\outgoing\I-82_US730_Umatilla_IAMP).

ODOT findings of fact that demonstrate compliance with the highway plan amendment process and the facility plan adoption process are attached as exhibit "B." Documentation of compatibility with local plans, policies and ordinances from affected local jurisdictions are attached as exhibit "C." A Letter of Concurrence from the Region 5 Access Management Engineer is attached as exhibit "D".

Notification of this OTC action has been provided to the affected local jurisdictions and the Department of Land Conservation and Development.

#### Attachments

Exhibit A:  
I-82/US 730 Interchange Area Management Plan;

Exhibit B:  
ODOT Findings of Fact;  
Findings of Compliance with OAR 731-0015-0055 and 0065

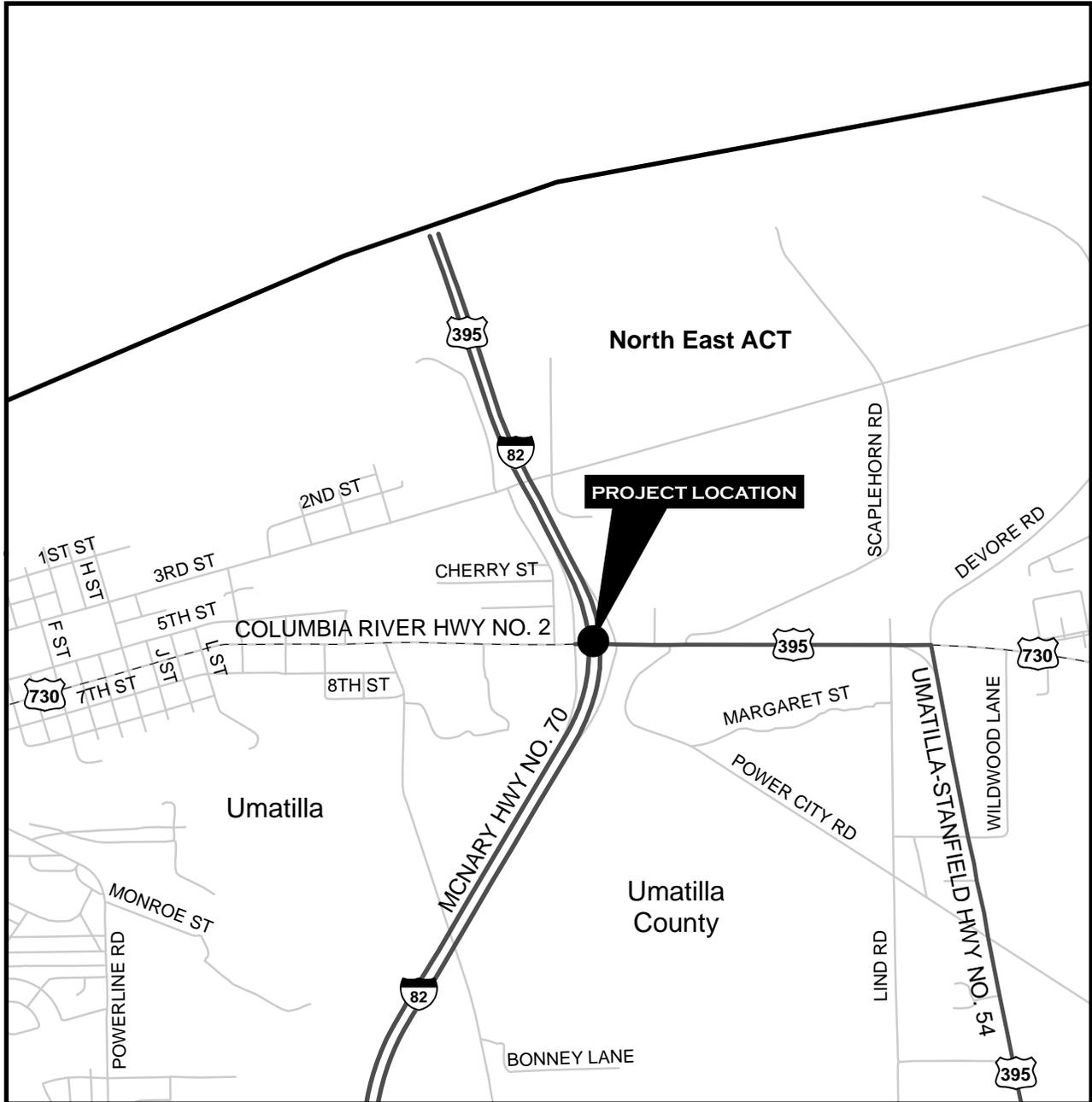
Exhibit C:  
City of Umatilla Ordinance No. 766;  
City of Umatilla Staff Report;  
Umatilla County Ordinance No. 2012-07

Exhibit D:  
Letter of Concurrence from Region Access Management Engineer



# PROJECT LOCATION

## ODOT REGION 5



### I-82/US 730 (UMATILLA) INTERCHANGE AREA MANAGEMENT PLAN

Key No. to be determined

LEGEND

-  PROJECT LOCATION
- STATE HIGHWAY CLASSIFICATION
-  INTERSTATE
-  STATEWIDE
-  REGIONAL / DISTRICT
-  REGIONAL BOUNDARY

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0 0.3 Miles



PRODUCED BY ODOT - GIS UNIT  
(503) 986-3154 - APRIL 2012  
GIS No. 23-52



**KITTELSON & ASSOCIATES, INC.**

**TRANSPORTATION ENGINEERING / PLANNING**

610 SW Alder Street, Suite 700, Portland, OR 97205 P 503.228.5230 F 503.273.8169

March 6, 2012

Project #: 11253.0

***RE: I-82/US 730 Interchange Area Management Plan***

To Whom It May Concern:

Please find enclosed the final interchange area management plan (IAMP) for the I-82/US 730 interchange. This plan has been adopted by the City of Umatilla through ordinance number 766 and Umatilla County through ordinance number 2012-07. If you have any questions, please do not hesitate to contact us at (503) 228-5230.

Sincerely,  
KITTELSON & ASSOCIATES, INC.

Matt Hughart, AICP  
Senior Planner

Nick Foster, AICP  
Engineering Associate

**ORDINANCE NO. 766**

**AN ORDINANCE AMENDING THE CITY OF UMATILLA COMPREHENSIVE PLAN, THE TRANSPORTATION SYSTEM PLAN, THE UMATILLA DEVELOPMENT CODE, THE COMPREHENSIVE PLAN MAP AND ZONING MAP BY THE ADOPTION OF THE I-82/US 730 INTERCHANGE AREA MANAGEMENT PLAN.**

**WHEREAS**, the City of Umatilla and the Oregon Department of Transportation are contemplating improvements to state and local transportation facilities near the Interstate 82/US 730 interchange to address safety, congestion and substandard facility issues, and;

**WHEREAS**, Oregon Administrative Rules (OAR) 734-051-0155(2) and (7) requires ODOT to work with local governments to develop an Interchange Area Management Plan (IAMP) prior to construction of significant modifications to existing interchanges, and the IAMP be consistent with local plans and codes, and;

**WHEREAS**, the I-82/US 730 IAMP describes in detail the improvements, and associated ODOT access control management, ODOT and the City of Umatilla are contemplating, and;

**WHEREAS**, adoption of the I-82/US 730 Interchange Area Management Plan as a refinement to the City of Umatilla Transportation System Plan is necessary prior to construction of the improvements, and;

**WHEREAS**, the I-82/US 730 IAMP is consistent with the Umatilla Comprehensive Plan, and;

**WHEREAS**, the I-82/US 730 IAMP is consistent with all pertinent goals and policies, including Statewide Planning Goals, Oregon Administrative Rule 660 Division 12 Transportation Planning Rule, Oregon Administrative Rules 731-015-0065 Coordination Procedures for Adopting final Facility Plans, Oregon Administrative Rule 734 Division 51 Highway Approaches, Access Control, Spacing Standards and Medians, as established in the Staff Report (Attachment "E"), and;

**WHEREAS**, The Umatilla Planning Commission, after conducting a public hearing on November 17, 2011, approved the I-82/US 730 IAMP forwarding a recommendation to the Umatilla City Council to approve the plan forwarded by the Commission, and;

**WHEREAS**, the Umatilla City Council held a public hearing on the I-82/US 730 IAMP on Tuesday December 6, 2011 to obtain additional public input on the plan.

THE CITY OF UMATILLA DOES ORDAIN THAT THE FOLLOWING CHANGES WILL BE MADE TO THE CITY OF UMATILLA'S COMPREHENSIVE PLAN, TRANSPORTATION SYSTEM PLAN AND DEVELOPMENT CODE:

**Section 1.** The I-82/US 730 Interchange Area Management Plan dated September 2011, to the City Council be approved and adopted.

**Section 2.** The establishment of an Interchange Area Management Area on the Comprehensive Plan Map and Zoning Map as identified in Attachment "A" be approved and adopted.

RECEIVED

RECEIVED

MAR 13 2012

MAR 13 2012

UMATILLA COUNTY  
RECORDS

THE BOARD OF COMMISSIONERS OF UMATILLA COUNTY

UMATILLA COUNTY  
PLANNING DEPARTMENT

STATE OF OREGON

In the Matter of Amending )  
 Comprehensive Plan and ) ORDINANCE NO. 2012-07  
 Development Code to Approve )  
 and Incorporate I82/US 730 )  
 Interchange Area Management )  
 Plan )

WHEREAS the Board of Commissioners has adopted a Comprehensive Plan for Umatilla County, and has ordained Ordinance No. 83-04, adopting the County Land Development Ordinance, codified in Chapter 152 of the Umatilla County Code of Ordinances;

WHEREAS pursuant to Chapter 660, Division 12, of the Oregon Administrative Rules, and specifically OAR 660-12-0045, Umatilla County, as part of its Comprehensive Plan, adopted by Ordinance No. 2002-03, a Transportation System Plan for Umatilla County ("TSP); and

WHEREAS the TSP is to guide the management of existing transportation facilities and the design and the implementation of future facilities for the next 20 years; and

WHEREAS pursuant to OAR 734-051-0155, an interchange area management plan is to be developed with the redesign of an interchange to govern planning and future development within the management area, and be consistent with local plans and codes; and

WHEREAS the I82/US 730 Interchange Area Management Plan is proposed to protect the long-term function of the interchange by preserving the capacity of the interchange while providing safe and efficient operation between connecting highways and to address the existing operation that is undesirable; and

WHEREAS the area covered by the I82/US 730 Interchange Area Management Plan is within the city limits and the urban growth boundary of the City of Umatilla; and

WHEREAS the City of Umatilla has adopted the I82/US 730 Interchange Area Management Plan for lands within the city limits; and

WHEREAS the county is proposing to amends its TSP to add the

I82/US 730 Interchange Area Management Plan, and to amend its Comprehensive Plan and Development Code to include regulatory language that ensures that future permitted development within the county jurisdiction of the area is compatible with the improvements planned for the interchange; and

WHEREAS the Umatilla County Planning Commission held a public hearing regarding the proposed amendments on January 26, 2012, and forwarded the proposed amendments to the Board of Commissioners with a recommendation for adoption; and

WHEREAS the Board of Commissions held a public hearing on March 13, 2012, to consider the proposed amendments, and voted to approve the I82/US 730 Interchange Area Management Plan and to approve the amendments to the Comprehensive Plan and Land Development Ordinance.

NOW, THEREFORE the Board of Commissioners of Umatilla County ordains the following:

1. The I82/US 730 Interchange Area Management Plan is accepted and adopted, and the Umatilla County Transportation System Plan and the Umatilla County Comprehensive Plan are amended to include the I82/US 730 Interchange Area Transportation Plan as Appendix F to the Umatilla County Transportation System Plan. A copy of the I82/US 730 Interchange Area Transportation Plan is attached to this ordinance and incorporated by this reference.

2. The Umatilla County Comprehensive Plan, Chapter 12, Transportation, is amended to add the following:

Finding 29 Interchange Area Management Plans will be developed for major intersections in the county. An IAMP protects the long-term function of an intersection by preserving capacity of the interchange while providing safe and efficient operations between connecting roadways. An IAMP includes land use management strategies, short-term and long-term transportation improvements, access management goals, and strategies to fund identified improvements.

Policy 29 Umatilla County will coordinate with the Oregon Department of Transportation and cities to develop and implement Interchange

Area Management Plans.

Finding 30 An Interchange Area Management Study and Plan was completed for the Interstate 82/US Highway 730 interchange.

Policy 30 The primary transportation function of the I-82/US 730 interchange is to facilitate statewide, inter-urban, and inter-regional travel between I-82, US Highway 730 and US Highway 395. In addition to this primary function, the I-82/US 730 interchange provides east-west inter-regional connectivity across I-82 for the City of Umatilla and surrounding land uses. Beyond these primary functions, the interchange provides an inter-regional connection that supports local, regional and state business interests.

3. Adoption of the following to amend the County Land Development Ordinance, codified in Chapter 152 of the Umatilla County Code of Ordinances (Strikethrough text is deleted; Underlined/Italicized text is added):

**§152.017 CONDITIONS FOR DEVELOPMENT PROPOSALS.**

(A) The proposed use shall not impose an undue burden on the public transportation system. Any increase meeting the definition of significant change in trip generation constitutes an undue burden.

(B) For developments likely to generate a significant increase in trip generation, applicant shall be required to provide adequate information, such as a traffic impact study or traffic counts, to demonstrate the level of impact to the surrounding system. The scope of the impact study shall be coordinated with the providers of the transportation facility. Proposals that meet the requirements in §152.019(B) are subject to §152.019(C), Traffic Impact Analysis Requirements.

(C) The applicant or developer may be required

to mitigate impacts attributable to the project. Types of mitigation may include such improvements as paving, curbing, bridge improvements, drainage, installation or contribution to traffic signals, construction of sidewalks, bikeways, accessways or paths. The determination of impact or effect should be coordinated with the providers of affected transportation facilities.

(D) Dedication of land for roads, transit facilities, sidewalks, bikeways, paths, or accessways may be required where the existing transportation system will be impacted by or is inadequate to handle the additional burden caused by the proposed use.

**§ 152.018 ACCESS MANAGEMENT AND STREET CONNECTIVITY**

(A) The intent of this code is to manage access . . .

(B) This section shall apply to all arterials and collectors within the County and to all properties that abut these roadways.

(C) This section is adopted to implement the access management policies of the County as set forth in the Transportation System Plan.

(D) Proposed access within the I-82/US 730 Interchange Management Area Plan (IAMP) Management Area, shall be consistent with Section 7, Access Management Plan, of the IAMP.

(E) Corner Clearance . . . .

(F) (E) Joint Use Driveways and Cross Access . . . .

(G) (F) Access Connection and Driveway Design . . . .

(H) (G) Nonconforming Access Features . . . .

(I) (H) Requirements for Phased Development Plans . . . .

**§152.019 TRAFFIC IMPACT ANALYSIS**

(A) Purpose: The purpose of this section of the code is to implement Section 660-012-0045 (2) (e) of the State Transportation Planning Rule that requires the County to adopt a process to apply conditions to specified land use proposals in order to minimize adverse impacts to and protect transportation facilities. This section establishes the standards for when a proposal must be reviewed for potential traffic impacts; when a Traffic Impact Analysis must be submitted with an application in order to determine whether conditions are needed to minimize impacts to and protect transportation facilities; what must be in a Traffic Impact analysis; and who is qualified to prepare the analysis.

(B) Applicability: A Traffic Impact Analysis shall be required to be submitted to the County with a land use application, when the one or more of the

following actions apply:

(1) A change in plan amendment designation; or

(2) The proposal is projected to cause one or more of the following effects, which can be determined by field counts, site observation, traffic impact analysis or study, field measurements, crash history, Institute of Transportation Engineers Trip Generation manual; and information and studies provided by the local reviewing jurisdiction and/or ODOT:

(a) An increase in site traffic volume generation by 250 Average Daily Trips (ADT) or more (or as required by the County Engineer). The latest edition of the Trip Generation manual, published by the Institute of Transportation Engineers (ITE) shall be used as standards by which to gauge average daily vehicle trips; or

(b) An increase in use of adjacent streets by vehicles exceeding the 20,000 pound gross vehicle weights by 10 vehicles or more per day; or

(c) The location of the access driveway does not meet minimum intersection sight distance requirements, or is located where vehicles entering or leaving the property are restricted, or vehicles queue or hesitate, creating a safety hazard; or

(d) A change in internal traffic patterns that may cause safety problems, such as back up onto the highway or traffic crashes in the approach area; or

(e) For development within the I-82/US 730 Interchange Area Management Plan (IAMP) Management Area, the location of the access driveway is inconsistent with the Access Management Plan in Section 7 of the IAMP.

**(C) Traffic Impact Analysis Requirements**

(1) Preparation. A Traffic Impact Analysis shall be prepared by a professional engineer. The

Traffic Impact Analysis will be paid for by the applicant.

(2) Transportation Planning Rule Compliance as provided in § 152.751

(3) Pre-filing Conference. The applicant will meet with the Umatilla County Public Works Director and Planning Director prior to submitting an application that requires a Traffic Impact Analysis. The County has the discretion to determine the required elements of the TIA and the level of analysis expected. The County shall also consult the Oregon Department of Transportation (ODOT) on analysis requirements when the site of the proposal is adjacent to or otherwise affects a State roadway.

(D) Approval Criteria: When a Traffic Impact Analysis is required, approval of the proposal requires satisfaction of the following criteria:

(1) Traffic Impact Analysis was prepared by an Oregon Registered Professional Engineer qualified to perform traffic engineering analysis;

(2) If the proposed action shall cause a significant effect pursuant to the Transportation Planning Rule, or other traffic hazard or negative impact to a transportation facility, the Traffic Impact Analysis shall include mitigation measures that meet the County's Level-of-Service and/or Volume/Capacity standards and are satisfactory to the County Engineer, and ODOT when applicable; and

(3) The proposed site design and traffic and circulation design and facilities, for all transportation modes, including any mitigation measures, are designed to:

(a) Have the least negative impact on all applicable transportation facilities;

(b) Accommodate and encourage non-motor vehicular modes of transportation to the extent practicable;

(c) Make the most efficient use of land and public facilities as practicable;

(d) Provide the most direct, safe and convenient routes practicable between on-site destinations, and between on-site and off-site destinations; and

(e) Otherwise comply with applicable requirements of the Umatilla County Code.

(E) Conditions of Approval: The County may deny, approve, or approve a proposal with appropriate conditions.

(1) Where the existing transportation system is shown to be impacted by the proposed action, dedication of land for streets, transit facilities, sidewalks, bikeways, paths, or accessways may be required to ensure that the transportation system is adequate to handle the additional burden caused by the proposed action.

(2) Where the existing transportation system is shown to be impacted by the proposed action, improvements such as paving, curbing, installation or contribution to traffic signals, construction of sidewalks, bikeways, accessways, paths, or streets that serve the proposed action may be required.

#### **§ 152.665 REVIEW AND APPROVAL PROCEDURE.**

Review and approval of a Type I Land Division shall be as follows:

(A) An applicant seeking approval of a Type I Land Division shall first request the Planning Director to arrange a pre-filing conference. The request shall include five copies of a preliminary sketch of the proposal. The sketch shall have sufficient information to show the general location of the tract, general layout of lots and roads, general topography, existing land conditions and natural features, general information concerning existing conditions on surrounding properties, and other information that may be helpful to explain the applicant's

desire to develop the property.

(B) Within five business days from receipt of a request for a pre-filing conference, the Planning Director shall schedule a time and place for the pre-filing conference to better afford an opportunity for the applicant to incorporate suggestions and requirements for complying with this chapter, the Comprehensive Plan, zoning and development requirements, and such technical and design assistance in better land use practices, and techniques that will aid the applicant in preparing a tentative plan;. For applications within an Interchange Management Area Plan (IAMP) Management Area or within a ¼mile of any ODOT facility, the Planning Director shall invite ODOT to participate in a pre-filing conference.

(C) Following the pre-filing conference, the applicant shall file with the Planning Director a completed application form and tentative plan, including 20 copies of the drawings required under § 152.666. The tentative plan shall be accompanied by the required fee. If the applicant does not file a tentative plan within six months after the pre-filing conference, the applicant shall request a new pre-filing conference per the requirements listed in divisions (A) and (B) of this section.

(D) Upon receipt of a completed application, the Planning Director shall schedule, not later than 45 days from receipt of the completed application, a public hearing before the Planning Commission. When the application is within an Interchange Management Area Plan (IAMP) Management Area or within a ¼mile of any ODOT facility, the Planning Director shall provide written notification to ODOT when the application is deemed complete.

(E) The Planning Director shall furnish a copy of the tentative plan to all affected city, county, state and federal agencies and special districts with a request for their review and comments;

(F) Failure of an agency or district to provide

written comments to the Planning Director concerning the tentative plan within 10 business days after furnishing thereof may be deemed a recommendation of approval unless the agency or district has filed a written request for an additional review period, or the county and the agency or district has a signed management agreement that allows for more time.

#### **§152.666 CONTENTS OF TENTATIVE PLAN.**

(A) A tentative plan shall consist of maps, written information site review analysis and other supplementary materials adequate to provide the information required in this section.

(B) All applicable information requested in this section shall be provided and addressed, or the application for a tentative plan will not be accepted or processed . . . .

(6) *Criteria for approval.* In granting approval of a tentative plan, the Planning Commission shall find that the tentative plan:

(a) Complies with applicable elements of the Comprehensive Plan, including, but not limited to, policies listed in the public facilities and services and the transportation elements of the Comprehensive Plan.

(b) Complies with the Statewide Planning Goals adopted by the Land Conservation and Development Commission, until the Comprehensive Plan is acknowledged.

(c) Complies with provisions of §152.019, Traffic Impact Analysis, as applicable.

~~(c)~~(d) Complies with applicable provisions listed in the zoning regulations of this chapter;

~~(d)~~(e) Complies with applicable provisions, including the intent and purpose of the Type I regulations listed in this chapter;

(e) (f) The tentative plan conforms and fits into the existing development scheme in the area, including the logical extension of existing streets and public facility through the tentative plan;

(f)(g) Complies with other specific requirements listed in §152.667 for approval of certain types of subdivisions.

**§152.682 CONTENTS OF TENTATIVE PLANS.**

(A) General. A tentative plan for a Type II Land Division shall consist not only of a map, but also of written information and supplementary material adequate to provide the following required information in divisions (B) and (C) which follow. All applicable information below shall be provided and/or addressed, or the application for a Type II Land Division will not be accepted or processed.

(B) Written and supplementary information.

(4) Description of the water supply, condition of existing adjacent roads or easements and proposed roads or easements, methods of sewage disposal and storm water disposal, and the availability of other utilities. A Traffic Impact Analysis (TIA) may be required pursuant to §152.019.

**§ 152.683 REVIEW AND PROCESSING OF TENTATIVE PLAN.**

The tentative plan of a Type II Land Division will be reviewed and processed under the provisions of § 152.769 of this chapter, which for convenience, are restated as follows:

(A) Within 20 business days of filing a completed application, the Planning Department shall determine whether the application and accompanying material conforms with the applicable requirements of this chapter and render a tentative decision. When the application is within an Interchange Management Area Plan

(IAMP) Management Area or within a ¼mile of any ODOT facility, the Planning Department shall provide written notification to ODOT when the application is deemed complete.

**§152.684 STANDARDS FOR APPROVAL.**

In granting approval of a Type II Land Division, the Planning Director shall find that the Type II Tentative Plan and required supplementary material:

(A) Complies with applicable elements of the Comprehensive Plan, including, but not limited to, policies listed in the public facilities and services and the transportation elements of the Comprehensive Plan. A Traffic Impact Analysis (TIA) may be required pursuant to §152.019.

(B) If approved, will permit development on the remainder of the property under the same ownership, if any, or of adjoining land or of access thereto, in accordance with this and other applicable ordinances;

(C) Complies with the zoning requirements or a proposed change thereto associated with the partition map proposal;

(D)Complies with provisions of § 152.019, Traffic Impact Analysis, as applicable.

(E) (E) Roads . . . .

(F) (F) Dedicated road or public recorded easement . . . .

(G) (G) Each parcel . . . .

(H) (H) Shall provide easements . . . .

(I) (I) Considers energy conservation measures . . . .

(J) (J) All required improvements . . . .

(K) (K) Adequately addresses any known development limitations . . . .

(K) (L) Addresses the comments of the appropriate water agency . . . .

**§152.751 COMPLIANCE WITH COMPREHENSIVE PLAN.**

An amendment to the text of this chapter or to a zoning map shall comply with the provisions of the County Comprehensive Plan Text and Comprehensive Land Use Map. Proposed amendments shall also comply with the applicable provisions of the Oregon Transportation Planning Rule, Oregon Administrative Rule (OAR) 660, Division 12 and the Umatilla County Transportation Plan, and are subject to the requirements of §152.019, Traffic Impact Analysis. Any deviation from this section shall be preceded by an amendment to the Comprehensive Plan Text or to the Comprehensive Land Use Map. However, if the existing use of the property is allowed outright in the requested zone, compliance with the Comprehensive Plan is not necessary.

**§152.769 ADMINISTRATIVE REVIEW.**

(A) The administrative review procedure is designed to provide a less time-consuming alternative to the public hearing process for land use requests which require discretion in the decision-making process (i.e. quasi-judicial decisions).

(B) The administrative review procedure is as follows:

(1) Within 20 business days of filing a completed application, the Planning Department shall determine whether the application and accompanying material conforms with the applicable requirements of this chapter and render a tentative decision. When the application is within an Interchange Management Area Plan (IAMP) Management Area or within a ¼mile of an ODOT facility, the Planning Department shall provide written notification to ODOT when the application is deemed complete.

(2) All documents or evidence relied upon by the applicant shall be submitted to the Planning Department and shall be made available to the public prior to issuance of the tentative decision.

(3) A tentative decision by the Planning Department to approve, modify or deny a land use request shall include written modifications and conditions, if any, and findings and conclusions which shall specifically address the relationship between the proposal and the applicable criteria for approval listed elsewhere in this chapter.

**§152.770 PUBLIC NOTICES.**

(A) As set forth in ORS 197.763, notice of the hearings . . . .

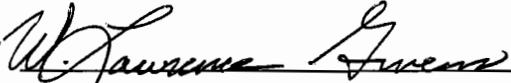
(B) In the event that there are less than five different property owners within the distances set forth under division (A) of this section, other nearby properties shall be included in the notice area until at least five different property owners are identified.

(C) The County will also send the notice to, and request comments from, all local, state, and federal agencies which staff can determine might or would be affected by the request, including, but not limited to, irrigation districts, rural fire districts or fire service providers, nearby municipalities, utility companies with known easements or facilities on the property, the County Road Department, the Watermaster, and the County Assessor. When the application is within an Interchange Management Area Plan (IAMP) Management Area or within a ¼mile of an ODOT facility, the County shall provide written notification to ODOT when the application is deemed complete.

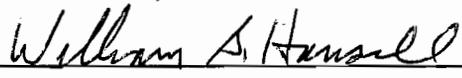
FURTHER by unanimous vote of those present, the Board of Commissioners deems this Ordinance necessary for the immediate preservation of public peace, health, and safety; therefore, it is adjudged and decreed that an emergency does exist in the case of this Ordinance and it shall be in full force and effect from and after its adoption.

DATED this 13th day of March, 2012.

UMATILLA COUNTY BOARD OF COMMISSIONERS

  
W. Lawrence Givens, Chair

**ABSENT**  
Dennis D. Doherty, Commissioner

  
William S. Hansell, Commissioner

ATTEST:  
OFFICE OF COUNTY RECORDS

  
Records Officer



**Section 3.** The establishment of the Gateway Sub-District on the Comprehensive Plan Map and Zoning Map as identified in Attachment "A" be approved and adopted.

**Section 4.** The language changes to the Umatilla Development Code in Title 10 Chapter 4C-6, included as Attachment "B", and Chapter 11, included as Attachment "C", and Chapters 8, 13, 14 and Title 11, included as Attachment "D" be approved and adopted.

**Section 5.** The City Council Approves and Adopts the I-82/US 730 Interchange Area Management Plan, the Map and Development Code language changes as noted in the Staff Report on the Interchange Area Management Plan including all attachments of the report.

**PASSED** and **ADOPTED** by the City Council the 6<sup>th</sup> day of December, 2011.

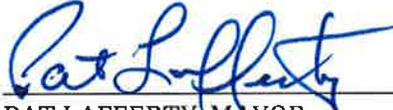
Voting yes, Council Members: Mary Dedrick, Bill Meade, George Fenton,  
Lyle Smith and Steve Johnson.

Voting no, Council Members: \_\_\_\_\_

Absent Council Members: Dick Stokoe

Abstaining Council Members: \_\_\_\_\_

And **SIGNED** by the Mayor the 6<sup>th</sup> day of December, 2011.

  
PAT LAFFERTY, MAYOR

ATTEST:

  
Linda Gettmann, City Recorder

# I-82/US 730 IAMP

Umatilla, Oregon

Prepared by:

**Kittelson & Associates, Inc.**

In association with:

**Angelo Planning Group**

**Anderson Perry & Associates, Inc.**



**KITTELSON & ASSOCIATES, INC.**  
TRANSPORTATION ENGINEERING/PLANNING

# **I-82/US 730 Interchange Area Management Plan**

Umatilla, Oregon

**September 2011**

# I-82/US 730 Interchange Area Management Plan

Umatilla, Oregon

Prepared For:

**Oregon Department of Transportation**

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## **DISCLAIMER**

*The inclusion of proposed projects and actions in this plan does not obligate or imply obligations of funds by any jurisdiction for project level planning or construction. The inclusion of proposed projects and actions does serve as an opportunity for projects to be included, if appropriate in the State Transportation Improvement Program (STIP) and the City of Umatilla Capital Improvements Program (CIP) but such inclusion is not automatic. It is incumbent on the state, county, city and general public to take action to encourage and support inclusion into the STIP or CIP at the appropriate time. Because a project must have actual identified funding to be included in the STIP or CIP, the ultimate number of projects included in these documents is constrained by available funding.*

## Preface

The development of this plan was guided by the Project Management Team (PMT) Steering Committee (SC), Technical Advisory Committee (TAC), and Public Advisory Committee (PAC). The members these groups are identified below, along with members of the consultant team. The PMT and SC members were all part of the TAC and PAC. The SC included representation from ODOT, the City of Umatilla, and the Umatilla Port of Entry. The TAC and PAC members were responsible for reviewing all work products and guiding the planning work. They devoted a substantial amount of time and effort to the development of the I-82/US 730 Interchange Area Management Plan (IAMP), and their participation was instrumental in the development of the recommendations that are presented in this plan.

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*Crossroads Truck Stop*

Bob Martinez  
*Two Rivers Correctional Institute*

Karen Hutchinson-Talaski  
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**Section 1**  
Introduction

## Introduction

An Interchange Area Management Plan (IAMP) has been prepared for the Interstate-82 (I-82) / US 730 Interchange in Umatilla, Oregon. The following section provides an overview of the purpose and intent of the IAMP and defines: the interchange function, the project goals and objectives, and the study area. These elements have been defined through a collaborative effort between the project Technical Advisory Committee (TAC) and Public Advisory Committee (PAC).



## PURPOSE AND INTENT

The IAMP is a strategic transportation plan that is designed to protect the long-term function of the Interstate 82 (I-82) / US 730 interchange by preserving the capacity of the interchange while providing safe and efficient operations between connecting roadways. The IAMP will identify land use management strategies, short-term and long-term transportation improvements, access management goals, and strategies to fund identified improvements.

The intent is that the IAMP planning efforts will result in policies, ordinances, and other provisions that will be adopted into the City of Umatilla and Umatilla County's Transportation System Plan (TSP) and Comprehensive Plan. The IAMP will also be adopted by the Oregon Transportation Commission (OTC) as an amendment to the Oregon Highway Plan.

## PROBLEM STATEMENT

The signalized intersections of Brownell Boulevard/US 730 and the southbound I-82/US 730 terminal are located within close proximity of one another resulting in undesirable operations. The signals have been coordinated in an effort to improve intersection operations. Nevertheless, queuing problems associated with truck traffic accessing the Umatilla Port of Entry (POE) weigh station continue to occur at the two intersections. This condition varies by season due to increase of trucks during mid-summer and fall harvests.

The Port of Entry and weigh station is located on the northwest corner of Brownell Boulevard/US 730 intersection which coincides with the northwest quadrant of the I-82/US 730 interchange. A truck stop, restaurant, fueling station and other commercial development is located in the southwest quadrant. East of the interchange is primarily vacant land within the City of Umatilla Urban Growth Area. This land is zoned exclusive farm use, tourism commercial or public facilities. The City is interested in the economic development potential of this area and would like to develop a local street network plan that supports the safe and efficient operation of the interchange and the US 730/US 395 intersection located within the interchange influence area.

## INTERCHANGE DESCRIPTION

The I-82/US 730 interchange is an urban interchange that connects US 730 and US 395 with I-82. It is the only interchange serving Umatilla. The interchange is also important for interstate freight travel, as it provides access to the Umatilla POE for trucks entering Oregon from Washington and US 395, a designated freight route. US 730, which is also locally known as 6<sup>th</sup> Street through Umatilla, provides one of two east-west connections between downtown Umatilla and the McNary area of Umatilla, making it a vital connection to the city. Beyond Umatilla, US 730 connects to I-84 southwest of Irrigon and to US 12 in Washington to the east.

The land uses within the immediate vicinity of the interchange are primarily commercial on the west side and vacant on the east side.

### ***Interchange Function Statement***

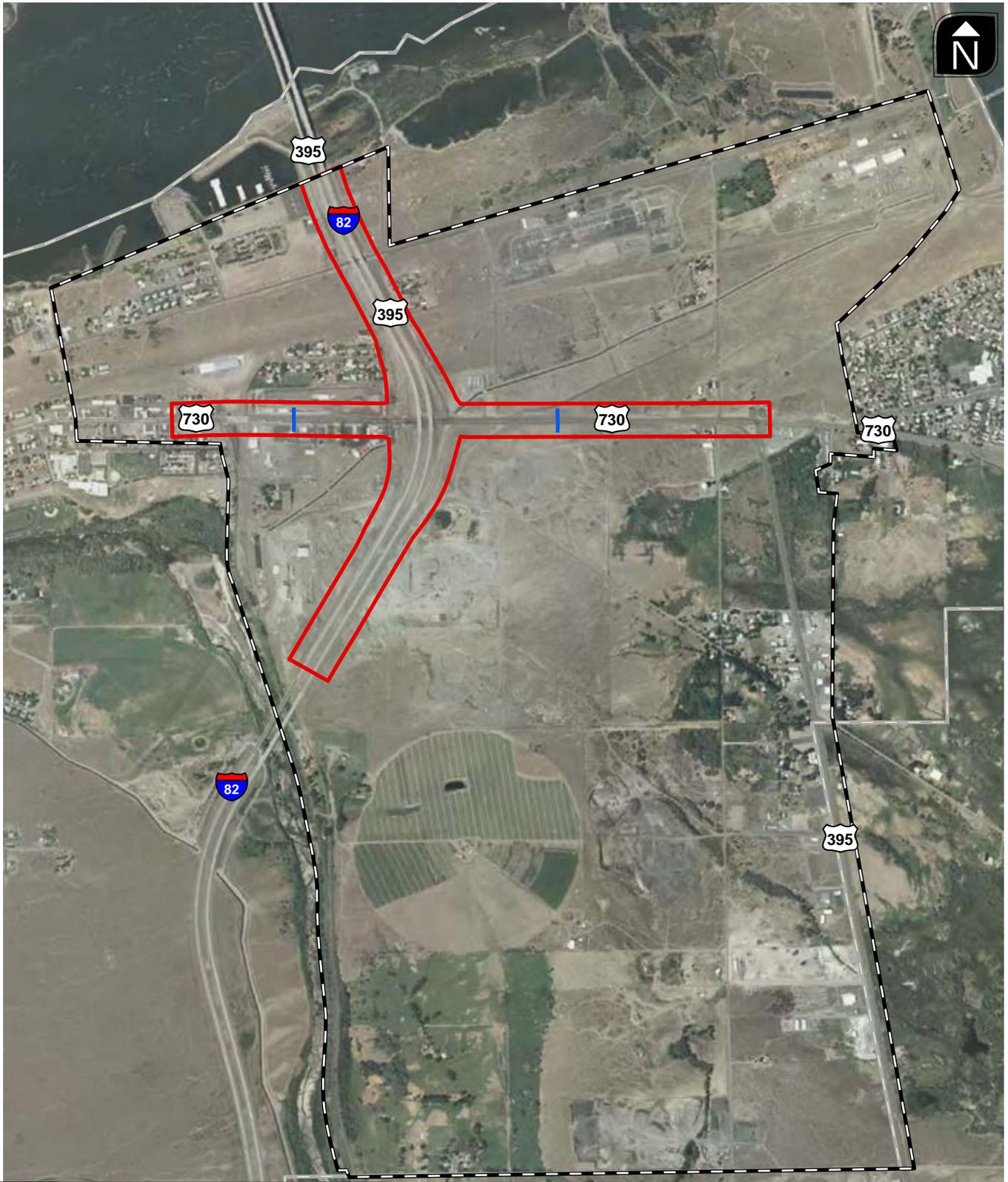
Following is the function and policy definition for the I-82/US 730 Interchange:

*“The primary function of the I-82/US 730 interchange is to facilitate statewide and inter-urban and inter-regional travel to/from the I-82 corridor. A secondary function is to provide east-west inter-regional connectivity across I-82 for the City of Umatilla and surrounding rural land uses. I-82 is a short, but significant interstate highway that connects the state of Washington to the I-84 corridor.”*

## INTERCHANGE MANAGEMENT STUDY AREA

To provide a comprehensive study and to achieve effective results, the Interchange Management Study Area (IMSA) includes developable and re-developable properties and major roadways that would significantly affect the interchange function over the next 20 years. The IMSA includes properties within ½-mile, and in some cases beyond, from the existing I-82 interchange as defined by the IAMP Guidelines. The IMSA also takes into account facilities and properties that will impact the operations of the interchange and any natural or cultural resources in the vicinity of the interchange.

The IMSA map is shown in Figure 1-1. Figure 1-1 identifies key features and boundaries of the area included in the IAMP. As shown on the IMSA map, two study boundaries are identified: the IAMP Operations and Access Study area and the Land Use Study Area. The following describes the criteria used to create the IMSA map.



H:\projects\110369 - I-82 US 730 IAMP\GIS\UmatillaBaseMap.mxd

**LEGEND**

-  Minimum 1320' IAMP Limits
-  Land Use Study Area
-  Operations/Access Study Area
-  Umatilla UGB

**INTERCHANGE MANAGEMENT STUDY AREA  
UMATILLA, OREGON**

**FIGURE  
1-1**

## **Operations and Access Study Area**

The Operations and Access Study Area includes all access points and intersections within ¼-mile of the existing I-82/US 730 interchange and encompass key intersections that have potential to affect traffic operations in the interchange area over the planning period. This study boundary identifies the area for which operational analysis will be completed and the area that will be considered in the Access Management Plan element of the IAMP. The study intersections include:

- I-82/US 730 Northbound Terminal
- I-82/US 730 Southbound Terminal
- US 730 / US 395
- US 730 / Lind Road
- US 730 / Scaplehorn Road
- US 730 / Private Driveway (Umatilla Self Storage business) between Scaplehorn Road and Northbound I-82 ramp
- US 730 / Brownell Boulevard
- US 730 / Port or Entry Entrance Driveway
- US 730 / two private business driveways (Crossroads)
- US 730 / Eisele Drive
- US 730 / River Road
- US 395 / Margaret Avenue
- US 395 / Power City Road

## **Land Use Study Area**

The Land Use Study Area includes all properties located roughly within a ½-mile of the interchange. The Land Use Study Area extends beyond a ½-mile in places to incorporate developable and re-developable properties that are expected to significantly affect the interchange function over the next 20 years. Properties identified with potential to affect the interchange include those that are expected to utilize the interchange as their primary connection to I-82 or those that may be necessary to examine to improve local circulation.

## **GOALS AND OBJECTIVES**

The primary goal of the IAMP process is to protect the function of the interchange by anticipating changes in land use and traffic patterns and planning for necessary improvements over a 20-year planning horizon. As stated in Policy 3C of the 1999 Oregon Highway Plan, *“it is the policy of the State of Oregon to plan for and manage grade-separated interchange areas to ensure safe and efficient operation between connecting roadways.”* From this definition, the objectives of the I-82 / US 730 IAMP are to:

- Refine and prioritize improvements needed to maintain acceptable traffic operations at the interchange while providing safe access to adjacent land uses;
- Provide for efficient connectivity, right-of-way, and access control in the Interchange Management Study Area (IMSA);
- Consider the surrounding contextual land use and roadway network;
- Provide plans for improved local street connectivity in the IMSA (see definition below) while limiting cul-de-sacs or other non-connected streets;
- Evaluate existing and potential land use designations, intensities, conditions, and actions that could have favorable effect on the facility or an adverse effect on the facility;
- Collaborate throughout the planning process with design professionals, jurisdictional representatives, developers, and local property owners.
- Comply with the intent of Statewide Planning Goal 1: Public Involvement, 2: Land Use Planning, 5: Natural Resources, 6: Air, Water and Land Resources Quality, 7: Areas Subject to Natural hazards, 8: Recreation Needs, 9: Economic Development, 12: Transportation, and 14: Urban Growth Boundaries.
- Develop policies and implementation measures that support the goals of this project for local consideration and adoption into the City and County comprehensive plans, transportation system plans, and zoning ordinances, as appropriate.

## EVALUATION CRITERIA

Based on the above objectives, the following evaluation criteria were assembled to ensure that each concept developed throughout the project would be evaluated for consistency with the overall intent of the community and the project. The six evaluation criteria categories are outlined below:

- **Transportation Operations:** This category consists of those criteria that assess the ability for all modes to travel through and within the study area. Special considerations within this category include safety, local connectivity and mobility, including freight mobility.
- **Land Use:** This category consists of those criteria that assess right-of-way impacts, consistency with adopted land use and economic development plans, transportation capacity impacts of changes in land use intensity, impacts to utilities, and impacts to existing and proposed developments.
- **Economic Development:** This category consists of those criteria that assess the potential for short-term (1-5 years), mid-term (5-15 years), and long-term growth (15-25 years) for areas within the vicinity of the interchange.
- **Cost:** This category consists of those criteria that assess the practicality of a design concept from a construction cost and feasibility perspective.
- **Environmental, Social, and Equity factors:** This category consists of those criteria that assess the degree to which a concept is compatible with the natural and built environment

including environmental (i.e., storm water drainage and hazardous waste) and socio-economic (i.e., stakeholders' needs) impacts.

- **Accessibility:** This category consists of those criteria that assess the ability to access properties and businesses within the IMSA to/from the regional infrastructure network including the balance between local access and roadway function, future access for undeveloped properties, and adherence to the access spacing standards.

## **DEVELOPMENT OF THE IAMP**

The I-82/US 730 IAMP has been guided by the Technical Advisory Committee (TAC) and Public Advisory Committee (PAC), as well as area residents and business owners. TAC and PAC roster lists are provided in the Preface of this document and in Section 2. Regular TAC and PAC meetings held throughout the course of the project have provided opportunities for the two committees to review and guide the technical analysis prepared by the consultant team and the overall project direction. *A summary of the individual TAC and PAC meetings is provided in Appendix "A."*

### **Public Involvement**

In addition to the regular TAC and PAC meetings, local citizens, property owners, and business owners provided their input by participating in three public workshops. The first workshop provided participants with background information on the project and then gave them the opportunity to develop and present their ideas for design concepts. At the second workshop, participants provided their input on the design concepts that had previously been developed. The third workshop was focused on a review of the draft IAMP. Members of the public also submitted comments directly to the project management team either through correspondence or by attending a TAC or PAC meeting. In addition, adoption of the plan will have included public hearings before the City of Umatilla Planning Commission and Council and the Oregon Transportation Commission. *Summaries of the public meetings are provided in Appendix "A."*

## **IAMP ORGANIZATION AND METHODOLOGY**

The development of the I-82/US 730 IAMP began in January 2010 with the first meeting of the consultant team and City and ODOT staff. Work with the TAC and PAC began shortly thereafter in February 2010. Since February 2010, these groups participated in an extensive process that involved reviewing existing and future transportation conditions, future land use analyses, interchange design and local access and circulation concepts, and financing options.

Sections 1 through 9 comprise Volume 1 of the IAMP and provide the main substance of the plan. These are supplemented by Technical Appendices in Volume 2 which contains the technical memoranda documenting each step in the process. The organization and description of each element of the IAMP are outlined below:

**Section 1** describes the IAMP process, purpose, and goals and outlines the remainder of the document;

**Section 2** details the interagency and public involvement program;

**Section 3** provides the plan and policy review;

**Section 4** outlines the existing land use patterns and transportation facilities within the IMSA;

**Section 5** documents the future land use and transportation conditions and how they were addressed by the planning effort;

**Section 6** provides a description of the concepts analysis and transportation planning efforts involving the selection of a preferred interchange form, supporting local access and circulation network, access management plan, and land use management plan;

**Section 7** is the I-82/US 730 IAMP, including the local circulation and access elements and the transportation improvement projects that are necessary to ensure the continued long-term safety and function of the interchange;

**Section 8** provides guidance on IAMP adoption, monitoring, and updates; and,

**Section 9** documents how the I-82/US 730 IAMP complies with the Oregon Administrative Rules for the development of an interchange area management plan as well as the Oregon Highway Plan.

**Section 2**  
Interagency and Public  
Involvement Program

## Interagency and Public Involvement Program

As part of the I-82/US 730 Interchange Area Management Plan (IAMP), interagency and public involvement occurred through: a kick-off meeting with agency staff; a Technical Advisory Committee (TAC) and a Public Advisory Committee (PAC) that had regular meetings; three public workshops involving local citizens, property owners, and business owners; a joint work session of the City of Umatilla Planning Commission and City Council that was open to the public; and public adoption hearings in front of the City of Umatilla Planning Commission and Council and the Oregon Transportation Commission. An overview of the TAC and PAC meetings and public workshops is summarized below.



### TECHNICAL ADVISORY AND PUBLIC ADVISORY COMMITTEES

The TAC and PAC guided the planning work and were responsible for reviewing all work products, providing input on all planning recommendations, such as the IMSA, goals and objectives, technical analysis, and the proposed concepts. Ultimately the TAC and PAC helped select the preferred interchange form, local circulation/access, land use management, and coordination elements of the IAMP. In addition, a Project Management Team (PMT) performed a coordination function, planning and executing project management tasks related to project schedule and meeting logistics. The PMT included representation from ODOT, the City of Umatilla, and the consultant team and were all members of the TAC.

Membership on the TAC and PAC was established through input from City and ODOT representatives. A proposed TAC and PAC membership roster was presented and finalized at a project kick-off meeting held January 6, 2010. A list of TAC and PAC members is included in Table 2-1 and 2-2.

**TABLE 2-1 TECHNICAL ADVISORY COMMITTEE**

| Agency                       | Name             | Position/Title                              | Role                                     |
|------------------------------|------------------|---|--|
| City of Umatilla             | Bob Ward         | City of Umatilla City Manager               | City Project Manager<br>PMT, SC, and TAC |
|                              | JR Cook          | City of Umatilla City Manger (Former)       | City Project Manager<br>PMT, SC, and TAC |
|                              | Roger Frances    | City of Umatilla Public Works Director      | SC and TAC                               |
|                              | Darla Huxel      | City of Umatilla Police Chief               | SC and TAC                               |
|                              | Bill Meade       | City of Umatilla Council Member             | TAC                                      |
|                              | Cindy Roxbury    | City of Umatilla Council Member             | TAC                                      |
|                              | Zach Lunden      | City of Umatilla Planner                    | TAC                                      |
| DLCD                         | Grant Young      | DLCD Field Representative                   | TAC                                      |
| ODOT Region 5                | Teresa Penninger | ODOT Region 5 Planning Manager              | ODOT Project Manager<br>PMT, SC, and TAC |
|                              | Donald Fine      | ODOT Region 5 Traffic Operations & Analysis | SC and TAC                               |
|                              | Tom Kuhlman      | ODOT Region 5 Traffic Section Manager       | SC and TAC                               |
| ODOT District 12             | Ken Patterson    | ODOT District 12 Area Manager (Interim)     | SC and TAC                               |
|                              | Rich Lani        | ODOT District 12                            | TAC                                      |
| ODOT Statewide Office        | Dave Warrick     | ODOT Interchange Engineer                   | TAC                                      |
|                              | Randall Thomas   | ODOT Statewide Mobility Manger              | TAC                                      |
|                              | Swede Hays       | ODOT Rail                                   | TAC                                      |
| Umatilla County              | Tamra Mabbot     | Umatilla County                             | TAC                                      |
| Umatilla Rural Fire District | Mike Roxbury     |   | TAC                                      |

**TABLE 2-2 PUBLIC ADVISORY COMMITTEE**

| Name                     | Representing                       |
|--------------------------|------------------------------------|
| Al Koppany               | Crossroads Truck Stop              |
| Ben Derby                | Umatilla POE (also a member of SC) |
| Bob Martinez             | Two Rivers Correctional Institute  |
| Heidi Sipe               | Umatilla Planning Commission       |
| Karen Hutchinson-Talaski | Umatilla Chamber of Commerce       |
| Lyle Smith               | Umatilla Planning Commission       |
| Sam Nobles               | UGA Land Owner                     |
| Steve Johnson            | Umatilla City Council              |

The TAC members were selected in order to provide representation from key components of

interested government agencies. PAC members were selected in order to provide a good representation of City officials, area property and business owners, and other interested citizen groups. In addition to the PAC members, a number of area property and business owners attended PAC meetings and participated in the process. An outline of all of the TAC and PAC meetings is included below.

## **PUBLIC INVOLVEMENT PLAN**

To ensure that adequate project coordination and public participation occurred throughout the development of the I-82/US 730 IAMP, a series of TAC and PAC meetings, public workshops, and public joint work sessions were held over the course of the project. The City of Umatilla also conducted public hearings to adopt the plan. A summary of all of the meetings associated with the project, as well as the meeting objectives, are summarized in Table 2-3.

**TABLE 2-3 MEETING SUMMARY**

| Meeting Event      | Date/Location   | Meeting Purpose/Objectives  |
|--------------------|---|---|
| Kick-off Meeting   | January 6 <sup>th</sup> , 2010/<br>Umatilla – City Hall   | <ul style="list-style-type: none"> <li>- Review Project Process and Goals</li> <li>- Review TAC and PAC Membership</li> <li>- Review Project Schedule</li> </ul>  |
| TAC/PAC Meeting #1 | February 17 <sup>th</sup> , 2010/<br>Umatilla – City Hall | <ul style="list-style-type: none"> <li>- Review Project Schedule and Approach</li> <li>- Presentation: IAMP 101</li> <li>- Review Tech Memorandums #1 and #2 (IAMP Definition and Background and Plans and Policy Review)</li> </ul> <p>The purpose of Meeting #1 was to introduce the I-82/US 730 IAMP project and the consultant team; review the project schedule; review the project goals, objectives, and evaluation criteria; familiarize TAC/PAC members with the IAMP process and their roles; confirm the IMSA; confirm the project schedule; and <b>review the project's</b> policy framework.</p> |
| TAC/PAC Meeting #2 | April 21, 2010/<br>Umatilla – City Hall                   | <ul style="list-style-type: none"> <li>- Review Tech Memorandums #3/4 (Existing Conditions), #5 (Environmental) and #6 (Future Conditions)</li> <li>- Presentation: Interchange Design 101</li> <li>- Brainstorm Design Concepts</li> </ul> <p>The purpose of Meeting #2 was to review the existing and future land use and traffic operations, the environmental review, and involve the TAC and PAC in a brainstorming exercise to develop interchange design, local circulation, and access management concepts for the existing roadway system.</p>   |
| Public Workshop #1 | April 21, 2010/<br>Umatilla – City Hall                   | <ul style="list-style-type: none"> <li>- Project Overview</li> <li>- Summary of Existing and Future Conditions</li> <li>- Presentation: Interchange Design 101</li> <li>- Brainstorm Design Concepts</li> </ul> <p>The purpose of the first public workshop was to present the project goals and objectives and findings to date, educate the public and stakeholders on the IAMP process and interchange design and access management practices, and engage the participants to help develop potential interchange design, local circulation, and access management concepts.</p>                            |
| TAC/PAC Meeting #3 | June 16, 2010/<br>Umatilla – City Hall                    | <ul style="list-style-type: none"> <li>- Review Concepts Analysis</li> <li>- Screen Concepts</li> </ul> <p>The purpose of Meeting #3 was to review the Concepts Analysis and determine the concepts that would move forward for refined analysis.</p>   |
| TAC/PAC Meeting #4 | August 12, 2010/<br>Umatilla – City Hall                  | <ul style="list-style-type: none"> <li>- Review Evaluation of Refined Concepts and Cost Estimates</li> <li>- Determine Preferred Concepts</li> </ul> <p>The purpose of Meeting #4 was to review the evaluation of the refined concepts developed at the last set of PAC and TAC meetings and determine preferred concepts. Feedback from this meeting resulted in further refined concepts for detailed analysis.</p>   |
| Public Workshop #2 | August 12, 2010/<br>Umatilla – City Hall                  | <ul style="list-style-type: none"> <li>- Review Evaluation of Refined Concepts</li> </ul> <p>The purpose of the second public workshop was to present the concepts being considered, the results of the concepts analysis, and provide the public with the opportunity to give their feedback on the concepts being considered.</p>   |
| TAC/PAC Meeting #5 | October 6, 2010/<br>Umatilla – City Hall                  | <ul style="list-style-type: none"> <li>- Review Detailed Analyses and Cost Estimates</li> <li>- Determine Preferred Concepts</li> </ul> <p>The purpose of Meeting #5 was to review the evaluation of the refined concepts and determine the preferred concept. Feedback from this meeting was considered by the steering committee in determining the preferred concept.</p>  |

| Meeting Event                                 | Date/Location                                   | Meeting Purpose/Objectives  |
|---|---|---|
| City Council/Planning Commission Work Session | November 18, 2010/<br>Umatilla – City Hall      | - Review the Project<br>- Determine Preferred Concepts<br>The purpose of this joint work session was to summarize the project background and discuss the preferred concept recommended by the TAC and PAC. The result of this meeting was confirmation of moving forward with the preferred concept.                    |
| TAC/PAC Meeting #6                            | December 15, 2010/<br>Umatilla – City Hall      | - Review Draft Preferred Alternative<br>The purpose of Meeting #6 was to review the draft preferred alternative. The result of this meeting was to redraft the preferred alternative based on feedback from both committees and to bring it to City Council for their input.  |
| City Council Work Session                     | February 1, 2011/<br>Umatilla – City Hall       | - Review Draft Preferred Alternative<br>The purpose of this work session was to review the draft preferred alternative that resulted from TAC/PAC Meeting #6. The result of this meeting was the project team was directed to further consider relocating the POE to a new location further south on the I-82 corridor. |
| TAC/PAC Meeting #7                            | May 31, 2011/<br>Umatilla – City Hall           | - Review POE Relocation Concept<br>The purpose of Meeting #7 was to review the draft preferred alternative, which had been revised to relocate the POE further south on the I-82 corridor. Both committees recommended this concept move forward as the preferred concept in the IAMP.                                  |
| TAC/PAC Meeting #8                            | September 13, 2011/<br>Umatilla – City Hall     | - Review Draft IAMP<br>The purpose of Meeting #8 was to review the draft IAMP. The committees provided feedback that has been incorporated into the IAMP.   |
| Public Workshop #3                            | September 13, 2011/<br>Umatilla – City Hall     | - Summary of Draft IAMP<br>The purpose of the third Public Workshop was to review the draft IAMP and provide the public an opportunity to comment on the document.  |
| City Planning Commission Hearing              | November 17, 2011/<br>Umatilla – City Hall      | The Draft IAMP was presented to the Planning Commission, was approved, and forwarded to the City Council with a recommendation for approval.  |
| City Council Hearing                          | December 6, 2011/<br>Umatilla – City Hall       | The Draft IAMP was presented to and adopted by the City Council.  |
| County Planning Commission Hearing            | January 26, 2012/<br>Pendleton – Justice Center | The Draft IAMP was presented to the County Planning Commission and forwarded to the Board of Commissioners with a recommendation for approval.  |
| County Board of Commissioners Hearing         | March 13, 2012/<br>Pendleton – Justice Center   | The Draft IAMP was presented to and adopted by the County Board of Commissioners.   |
| OTC Hearing                                   | TBD   |   |

**Section 3**  
Plan and Policy Review

## Plan and Policy Review

One of the project objectives of the IAMP is to ensure that the plan is consistent with local and state transportation policies and standards. To meet this objective, a review and evaluation of existing plans, policies, standards, and laws that are relevant to the IMSA was conducted. A summary of the documents reviewed is provided below. Detailed information from this review can be found in the Technical Appendix.



### DOCUMENTS REVIEWED

The following transportation and land use plans were reviewed for policies and regulations applicable to the I-82/US 730 Interchange.

#### State/ODOT

- Statewide Planning Goal 1 (Public Involvement), Goal 2 (Land Use Planning), Goal 3 (Agriculture), Goal 5 (Natural Resources, Scenic and Historic Areas, and Open Spaces), Goal 6 (Air, Water and Land Resources Quality), Goal 7 (Areas Subject to Natural Hazards), Goal 8 (Recreational Needs), Goal 9 (Economic Development), Goal 12 (Transportation), and Goal 14 (Urbanization)
- Oregon Transportation Plan (2006)
- Oregon Highway Plan (1999)
- Oregon Bicycle and Pedestrian Plan (1995)
- Oregon Rail Plan (2001)
- Oregon Administrative Rule 660, Division 12 (Transportation Planning Rule)
- Oregon Administrative Rule 731, Division 15 (Coordination Rules)
- Oregon Administrative Rule 734, Division 51 (Access Management Rule)
- Oregon Revised Statute Title 31, Highways, Roads, Bridges, and Ferries
- Highway Design Manual (2003)

#### Local

- Joint Management Agreement, City of Umatilla and Umatilla County (1996)
- Umatilla County Comprehensive Plan (1983, Amended)
- Umatilla County Transportation System Plan (2002)
- Umatilla County Development Code (Revised, 2009)
- City of Umatilla Comprehensive Plan

- 
- City of Umatilla Transportation System Plan (2001)
  - City of Umatilla Zoning Code

## **CONSISTENCY WITH EXISTING PLANS**

The IAMP has been developed to be consistent with local and state transportation policies. The review of local policies and regulations did not reveal conflicts with the primary goal of the IAMP to protect the function of the interchange but, at the same time, the existing regulatory tools also do not adequately address the future transportation needs in the area. Additional requirements regarding access management, local street connectivity, and transportation financing must be adopted if the transportation system in this area of Umatilla is going to support future planned growth. See Sections 7 and 8 for proposed amendments to existing plans required to make existing plans consistent with the IAMP.

## **Section 4**

Existing Transportation /  
Land Use Conditions

## Existing Transportation/Land Use Conditions

This section provides a review of existing land uses and transportation facilities as well as natural and cultural resources within the vicinity of the I-82/US 730 interchange. As shown in Figure 4-1, this is the first full interchange for southbound traffic entering from Washington and the only interchange serving Umatilla. The information identified in this section provides a basis for identifying opportunities and constraints for meeting the goals and objectives of the IAMP.



### INTERCHANGE MANAGEMENT STUDY AREA

The Interchange Management Study Area (IMSA), depicted in Figure 4-2, defines the extent of the land use and traffic operations review. As the figure shows, the study includes an Operations and Access Study Area and a Land Use Study Area. The Land Use Study Area includes the areas with trip generation potential that are expected to have a direct affect on the design and function of the interchange. Generally speaking, land uses outside of the IMSA area are not anticipated to directly impact the function of the interchange. This is because these properties do not directly access the interchange, have other travel route options within Umatilla besides US 730, or have limited potential to generate new trips (e.g. the land is already developed, the land has limited redevelopment potential, or the land is outside of Umatilla's Urban Growth Boundary [UGB]).

Figure 4-2 also outlines the Interchange Operations/Access Review Area. The operations and access management of intersections and driveways within this area is the subject of analysis described later in this section.



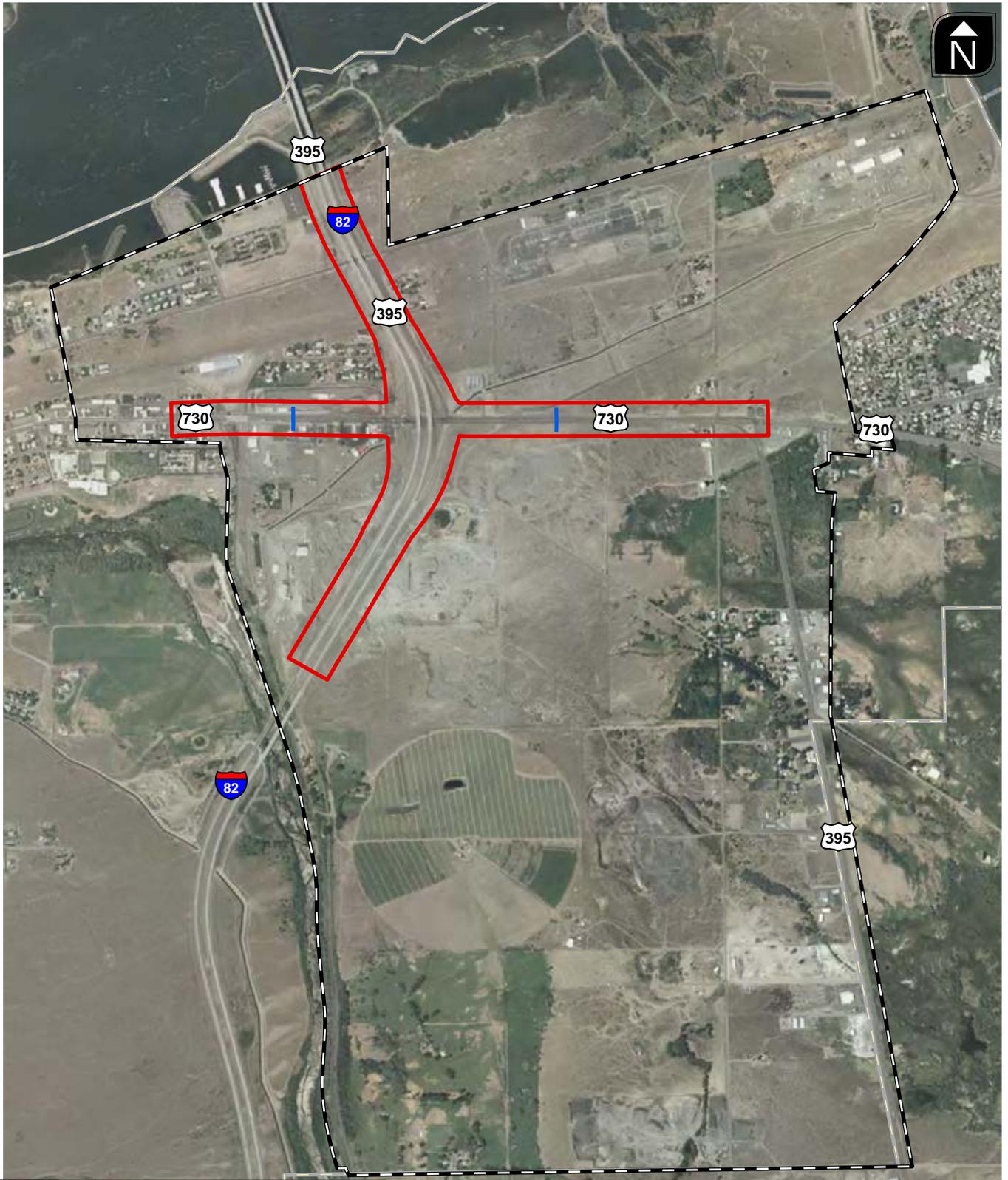
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**LEGEND**

-  Interchange Management Study Area
-  Umatilla City Limits

**STUDY AREA VICINITY  
UMATILLA, OREGON**

**FIGURE  
4-1**



**LEGEND**

-  Minimum 1320' IAMP Limits
-  Land Use Study Area
-  Operations/Access Study Area
-  Umatilla UGB

**INTERCHANGE MANAGEMENT STUDY AREA  
UMATILLA, OREGON**

**FIGURE  
4-2**

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## EXISTING LAND USE

Pursuant to the requirements stated in the Oregon Administrative Rule 734-051-0155 for the preparation of an IAMP, a land use inventory was prepared for the IMSA. This section provides a description of the existing land-use patterns and zoning regulations that currently exist within the IMSA.

### ***Existing Zoning***

As shown in Figure 4-3, land within the IMSA is a patchwork of incorporated parcels, unincorporated land within the City of Umatilla's urban growth boundary (UGB), and unincorporated county land. A large portion of the IMSA is county zoned, but within the city's UGB, and governed by a Joint Management Agreement (JMA). Areas within the UGB that are not yet annexed to the city are considered part of the Urban Growth Area (UGA).<sup>1</sup>

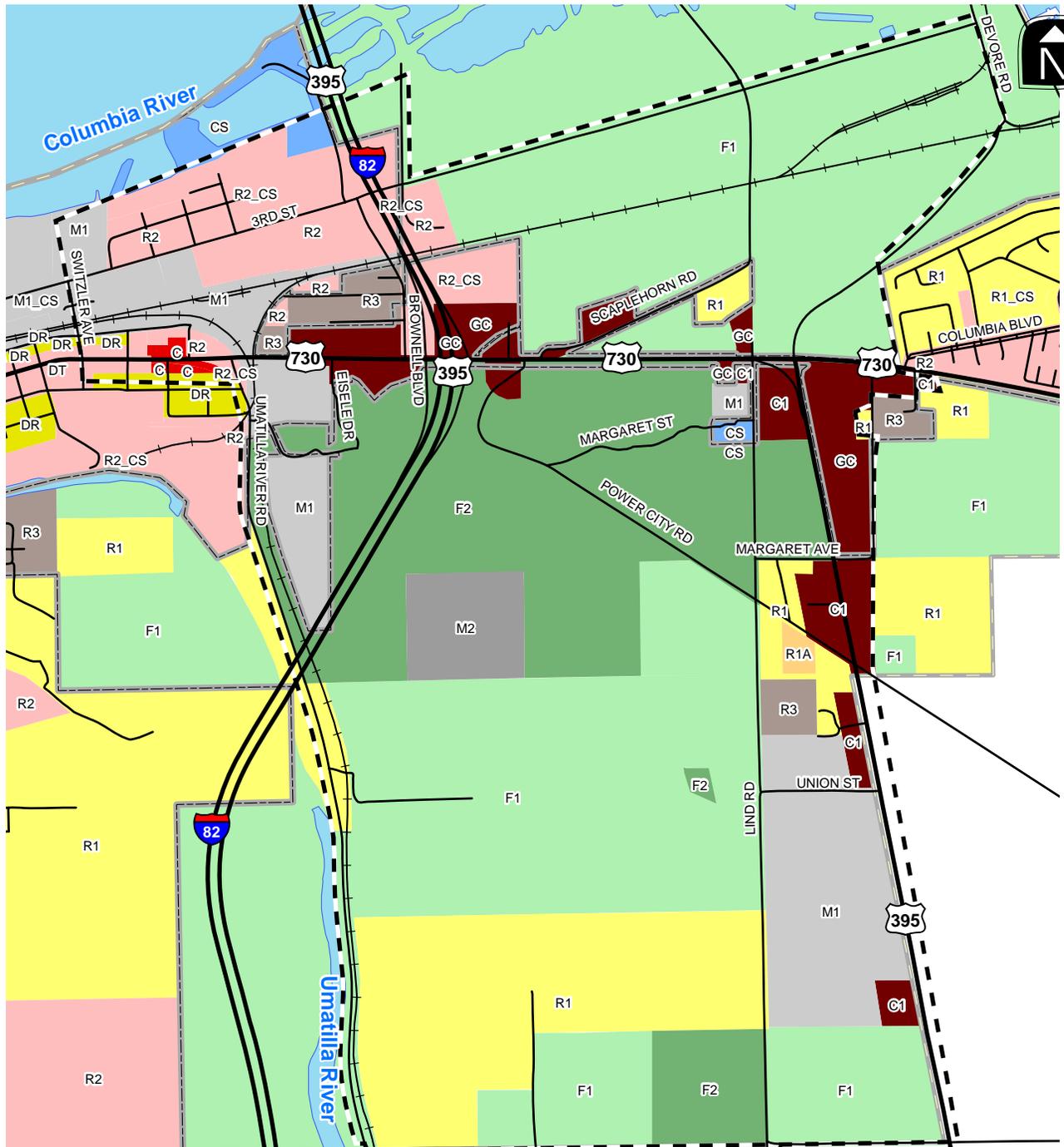
#### Umatilla County Zoning

For unincorporated areas within the IMSA, County zoning and development regulations apply. County zoning within the City's UGB lies east of I-82 and west of Devore Road (north of US 730) and west of US 395 (south of US 730). While it is clear from the inclusion of these areas in the UGB that urban uses are intended, until which time land is annexed to the City and City zoning is applied, development and redevelopment are dictated by what is allowed by County ordinances. In the case of areas governed by the JMA, the County's 1972 Zoning Ordinance is the regulating document. Below is an overview of County zone designations in the IMSA.

- *Exclusive Farm Use (F1)* - EFU zoning is designed to maintain the agricultural economy of the county by reserving farmland for exclusive agricultural use. In addition to the propagation and harvesting of farm or forest products and associated residential and farm buildings, schools and churches are permitted outright in this zone. Uses permitted conditionally include commercial activities associated with farm and forest uses, parks and playgrounds, golf courses, and personal use airports.
- *General Rural (F2)* - Land zoned F2 is so designated to maintain the "openness and rural nature of the country-side" and is applied to land not suited for EFU classification. The F2 zoning is intended to provide areas "appropriate for most kinds of typical rural

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<sup>1</sup> Areas outside city limits within the UGB retain county zoning, but are governed by the JMA and future urban zoning would be determined by the City of Umatilla's Comprehensive Plan Map land use designations. Currently, a locally adopted "City of Umatilla Plan Map" depicts both City zoning and plan map designations. However, the plan designations more closely resemble existing (i.e., low intensity rural) uses and do not reflect the City's future growth needs. The City is currently in the process of developing a work program that will analyze the City's future economic development and employment needs. A legislative amendment updating the City's plan map is expected to be one of the outcomes of the work program but this City-initiated process is not expected to be complete prior to the completion of the IAMP.



**LEGEND**

- Land Use Study Area
- Umatilla UGB
- Umatilla City Limits
- Zone**
- Commercial (C)
- Community Service (CS)
- Downtown Residential (DR)
- Downtown Transitional (DT)
- Exclusive Farm Use (F1)
- General Commercial (C1, GC)
- General Rural (F2)
- Heavy Industrial (M2)
- Light Industrial (M1)
- Residential, Multi-Family - Apartments (R3)
- Residential, Multi-Family (R2)
- Single Family Residential (R1)
- Two Acre Residential (R1A)

**STUDY AREA ZONING  
UMATILLA, OREGON**

**FIGURE  
4-3**

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development” and where the Planning Commission has the ability to attach special conditions (i.e., dimensional standards) to certain uses to minimize potentially detrimental effects on neighboring lands. Single-family dwelling units, as well as planned unit developments are permitted outright. The minimum lot size for the “principal dwelling unit” is 19 acres, with the Department of Environmental Quality determining all other lot sized based on public health. Other permitted uses include farm and forest product propagating, harvesting, and processing (using portable equipment for forest products), veterinary services, boarding houses, schools, churches, playgrounds, and golf courses. Conditional uses include airports, dog kennels, hog farms, landfills, livestock lots, asphalt plants, and mobile home parks.

- *Agricultural-Residential Zone (R-1)* - This zone is intended to provide areas suitable for very low density residential along with the continuation of agricultural uses. Other uses permitted conditionally include commercial greenhouses and nurseries, nursing homes, and mobile home parks. Utilities are not anticipated to be available to these areas “in the foreseeable future.” Minimum lot area is four acres for residential uses; for non-residential uses the code states that minimum lot area will be determined by what is necessary “for the protection of public health,” as determined by the Department of Environmental Quality.
- *Two Acre Residential (R1-A)* – The R-1A zone is intended to provide land for low density residential development within farming areas where City utilities are not anticipated “in the foreseeable future” and where conditions necessitate “spaced residential uses.” Two-acres is the minimum lot area for residential uses in this zone; minimum lot area for non-residential uses is determined by the Department of Environmental Quality. In addition to single-family residential and farm uses, other uses permitted outright include noncommercial outdoor recreation, schools, noncommercial greenhouses and nurseries, and public or semi-public uses. Uses allowed conditionally include boarding houses, churches, mobile home parks, community centers, veterinary clinics, horse boarding stables, nursing and convalescence homes, and commercial nurseries.
- *General Commercial (C-1)* - The C-1 zone district provides areas for rural retail and commercial services. A diversity of commercial uses are permitted, including eating and drinking establishments, banking institutions, hotel/motels, office buildings, sporting goods stores, automotive service stations, amusement parks, and greenhouses and nurseries. Conditional uses expand what is allowed in the C-1 to include such uses as mobile home parks, veterinarians, mini-warehouses, and welding shops. Minimum lot area is determined by the Department of Environmental Quality based on what is necessary to protect public health.
- *Light Industrial (M-1)* - The County’s M-1 zone is intended to provide land for industrial uses which are compatible with nearby homes, businesses or farm operations. Locational criteria in the code also state that M-1 zoning is appropriate near major transportation facilities. A wide variety of industrial uses are permitted, including mini-warehouses, bottling, food products manufacturing (including meat processing and storage), machine shops, and the manufacturing, compounding, and assembling of products made from a specified list of prepared materials. Conditional uses expand the list of uses that may be permitted in the M-1 zone to include some uses more commercial in nature (such as greenhouses and nurseries, commercial gravel pits, and eating and drinking establishments), support services (such as

financial institutions and veterinarians), and any type of major industrial use if it meets threshold criteria (employs more than 200, has land needs of over 20 acres of land, or uses a given number of energy BTUs). Junkyards and wrecking yards are also permitted conditionally. Minimum lot area is determined by the Department of Environmental Quality based on what is necessary to protect public health.

- *Heavy Industrial (M-2)* - The intent of the County M-2 zoning is to provide for areas where industrial development with “potential nuisances” will have a minimum negative effect on adjacent property. With a few limitations, all manner of manufacturing, repairing, compounding, fabricating, assembling, processing, treating and storage of products is permitted in this zone. Sand and gravel yards, welding, and materials storage is permitted. Conditional uses are similar to those allowed in the M-1 zone. Minimum lot area is determined by the Department of Environmental Quality based on what is necessary to protect public health.

#### City of Umatilla Zoning

The City of Umatilla’s Zoning Ordinance implements zoning “districts” to regulate land use (see Chapter 2, Plan Designations and Map, in Title 10). Chapters 2 through Chapter 5 of the Zoning Ordinance establish permitted uses and development standards for residential, commercial, and industrial zones. Below is an overview of these provisions for the zoning districts within the study area.

- *Single-Family Residential (R-1)* - R-1 is the City’s low density, single-family residential zone. Besides single-family dwellings, family daycare providers and residential homes are permitted uses. Community services uses are permitted conditionally (see below for types of uses). The minimum lot area is 8,000 square feet and maximum building height is 35 feet.
- *Medium Density Residential (R-2)* - R-2 zoning is intended for medium density (one dwelling per 3,500 square feet) residential uses. In addition to single-family detached houses, attached residences on smaller lots, two-family, and multi-family housing is permitted. Boarding houses, manufactured home parks, and limited office use (office or clinic for doctor, dentist or other practitioner of the healing arts, attorney, architect, engineer, surveyor or accountant) are permitted conditionally. Maximum residential density in this zone is one dwelling per three thousand five hundred (3,500) square feet; minimum lot area is 5,000 square feet and the height limit is 35 feet.
- *Multi-family Residential (R-3)* - R-3 zoning permits residential housing types that include apartments, townhouses, and cluster developments at a density of one dwelling per two thousand (2,000) square feet. Family daycare providers, residential homes and residential facilities are also permitted outright. Conditional uses include boarding houses, community services (see below for types of uses), and professional offices, including medical, law, accountant, architect, and engineering. Minimum lot area in this zone is 5,000 square feet and the height limit is 35 feet.
- *Downtown Residential (DR)* - The purpose of the downtown residential district is to accommodate higher density residential developments and office uses in the downtown area. Permitted housing types include attached housing, apartments, and townhouses.

Existing single-family houses are permitted and may be improved. Expansion of existing commercial businesses is also permitted, with restrictions. Family daycare providers, residential homes, and residential facilities are permitted outright, as are professional offices (financial, business, medical/dental), with restrictions. Community services uses are permitted conditionally (see below for types of uses). For residential uses, the maximum allowable density is one dwelling unit per two thousand (2,000) square feet. For freestanding dwellings or structures the minimum lot area is 5,000 square feet; minimum lot area for attached structures is 2,000 square feet.

- *Downtown Commercial (DC)* - The purpose of the downtown commercial district is to provide a concentrated central business district centered on 6th Street (US 730). This zone allows a mix of civic, retail, service, office and residential uses. Any commercial use is permitted, provided it is conducted wholly within an enclosed building, and residential uses are allowed above or behind ground-floor, street-frontage retail. Community services uses are permitted conditionally (see below for types of uses). There is no minimum lot area requirement and 100% building coverage is allowed. Residential uses are permitted at a density of one dwelling per two thousand (2,000) square feet (R-3 requirements).
- *General Commercial (C-1)* - The stated purpose of the General Commercial District is to provide areas for a full range of commercial uses and, in particular, to accommodate uses which require large sites and high visibility. The Zoning Code directs that General Commercial areas should be located along major travel routes and at major intersections. Commercial uses that are both conducted wholly within an enclosed building, as well as those that require outdoor storage or display of products such as lumberyards, motor vehicle sales lots, and plant nurseries, are allowed. Beyond this description, a list of permitted uses is not provided. Automobile service stations, community services (see below and Zoning Ordinance Chapter 6) and recreational vehicle parks are called out as conditional uses. In addition to commercial uses, apartments are permitted in multi-storied buildings on the second floor or above, provided the ground floor is occupied by a commercial use. The minimum lot area requirement is 5,000 square feet and the maximum site coverage is 90 percent; there is no maximum lot area requirement. Building height is limited to 35 feet.
- *Downtown Transitional (DT)* - Downtown commercial uses are permitted in this district and subject to the some standards and limitations. General commercial uses are permitted conditionally and are listed in Article D (Downtown Transitional) as including the following:
  - a. Commercial uses that are not conducted wholly within an enclosed building, including a use that requires outdoor storage or display of products, such as lumberyards, motor vehicle sales lots, and plant nurseries.
  - b. Commercial uses that are conducted wholly within an enclosed building.
  - c. Temporary outside displays and promotional activities directly related and subordinate to the primary business.
  - d. Drive through windows for any use.

There is no minimum or maximum lot area requirement and the maximum site coverage is 100 percent. Building height is limited to 35 feet.

- *Light Industrial (M1)* - The M1 district allows for a variety of industrial uses, including manufacturing, processing, packing, assembly, distribution, repair, finishing or refinishing, testing, fabrication, research and development, warehousing, and servicing activities. Minimum lot size is 5,000 square feet; maximum site coverage is 60%. Up to one hundred percent (100%) of the total floor area may consist of these manufacturing and distribution uses; storage area may not exceed fifty percent (50%) of the site.
  - In addition to permitted uses listed above, Community Services are a conditional use in all the zones within the IMSA. As stated in the Zoning Ordinance, the CS designation provides “a procedure and standards for the review of special uses which, by reason of their public convenience, necessity, unusual character, technical need or effect on the neighborhood, may be appropriate in any district but not suitable for listing within the other sections of the code.”

## **LAND USE INVENTORY**

For purposes of describing existing zoning and land uses within the IMSA, the narrative below will consider each “quadrant” that is formed by the interchange and the study area boundary.

### Northwest of the Interchange

The northwest quadrant of the IMSA extends north to the Columbia River and west to Switzler Avenue. The majority of the land in this quadrant is within the city limits. This area includes Community Service zoning on land owned by the Port of Umatilla. South from the Port there is an area zoned Downtown Transitional. Land surrounding Union Pacific Railroad’s “Umatilla Turn” is zoned Light Industrial. General Commercial lies north of US 730, west of the interchange.

Existing uses in the northwest quadrant include a combination of residential, recreation, and transportation-related uses. The ODOT Port of Entry weigh station directly northwest of the interchange is probably the most significant use in the quadrant. The facility takes access on US 730 at a distance that is less than spacing standards for interchange ramps and the nearest intersections. The sub-standard spacing is exacerbated by the heavy volume of large truck traffic using this access.

Older single-family homes are located directly north of the Port of Entry, a high retaining wall separating the two sets of uses. The railroad borders the other side of this cluster of homes. North of the railroad and 3rd Street, which parallel the Columbia River, is Port of Umatilla land with an RV camp and boat launch.

The area to the west and occupying the rest of the northwest quadrant is a mixture of predominantly low-density, single-family residential uses and multi-family residential uses, where buildings are in fair to poor condition. Amongst the residential uses and closer to US 730 are self-storage units, which are sometimes used as a way of reserving land for future development.

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Northeast of the Interchange

Land in the northeast quadrant of the interchange is within the city's UGB and lies both within and outside of the current city limits. A large portion of this quadrant, west to Devore Road, is zoned EFU. The pockets of city land include General Commercial zoning in Sharps Corner, just northeast of the interchange, and along Scaplehorn Road and General Commercial zoning just west of US 395, north of 3rd Street and east of Brownell Boulevard.

City's R2 zoning lies north of Sharps Corner, between the railroad tracks and the commercial uses in the northeast quadrant of the interchange. Another area of residential is accessed off of Scaplehorn Road and is zoned R1.

Existing uses identified in a site visit consist mainly of public facilities or utilities and open space. There is a small cluster of single-family homes directly northeast of the interchange in Sharps Corner and along Scaplehorn Road to the east, the only areas of the northeast quadrant within the city limits. An irrigation ditch runs northeast/southwest under the interchange. Land in this quadrant slopes from US 730 down to the river. The McNary substation and an Army Corps of Engineers park and trails are found north of the railroad, leading up to the river. There is a large concentration of Bonneville Power Authority (BPA) electricity transmission lines north of US 730 in the central portion of the northeast quadrant.

Southwest of the Interchange

The area in the southwest quadrant of the study area is within the city's UGB and lies both within and outside of the current city limits. City zoning here includes Light Industrial and a small portion of General Commercial directly west of the interchange, on both sides of US 730. South of this commercial area and west of I-82 is General Rural County zoning.

There is a heavy concentration of highway- and motor vehicle-oriented commercial uses along US 730 west of the interchange. The Crossroads Lounge, gas station, convenience stores, and restaurants found here are largely oriented toward the freight truck traffic passing through the interchange and using the Port of Entry across US 730. A post office is also located amongst these uses, which is federally owned or leased.

The Union Pacific Railroad travels along the western edge of the study area in this quadrant, and a spur line passes under US 730 on the north side of the quadrant and under I-82 on the east side. Land along US 730 and east of the railroad spur line is within the city limits in the quadrant. The railroad spur line also parallels the Umatilla River and Umatilla River Road. The riverfront, wetlands, and woodland areas are predominant in this corridor with sparse residential uses, which are mostly manufactured single-family homes.

Southeast of the Interchange

The southeast quadrant contains the largest portion of the IMSA. This area east of the I-82/US 730 interchange is mostly vacant or underdeveloped and is almost entirely within Umatilla's UGB. Land in the immediate vicinity of the US 730/US 395 intersection is included in this quadrant, and south of Power City Road, US 395 forms the eastern boundary of the IMSA, south to the city's UGB line.

This is the largest quadrant in the IMSA and it is mostly unincorporated, vacant land. On its eastern end, the quadrant includes part of the intersection of US 730 and US 395, Buck's Corner. Land directly south of US 730 slopes up from the highway, is vacant, and has a heavy concentration of transmission lines. The City is interested in the economic development potential of this area and intends to develop a local street network plan that supports the safe and efficient operations of the interchange and the US 730/US 395 intersection.

County zoning in this area includes General Commercial and Light Industrial uses at the intersection of US 730 and US 395. City General Commercial zoning is concentrated south of 730, in a small parcel west of existing County commercial land. A small flag-lot of land zoned Community Service is also in this area. The unincorporated community of Power City lies to the east of US 395; Power City Road cuts diagonally through the southeast quadrant of the interchange, starting at US 730 and heading south to US 395.

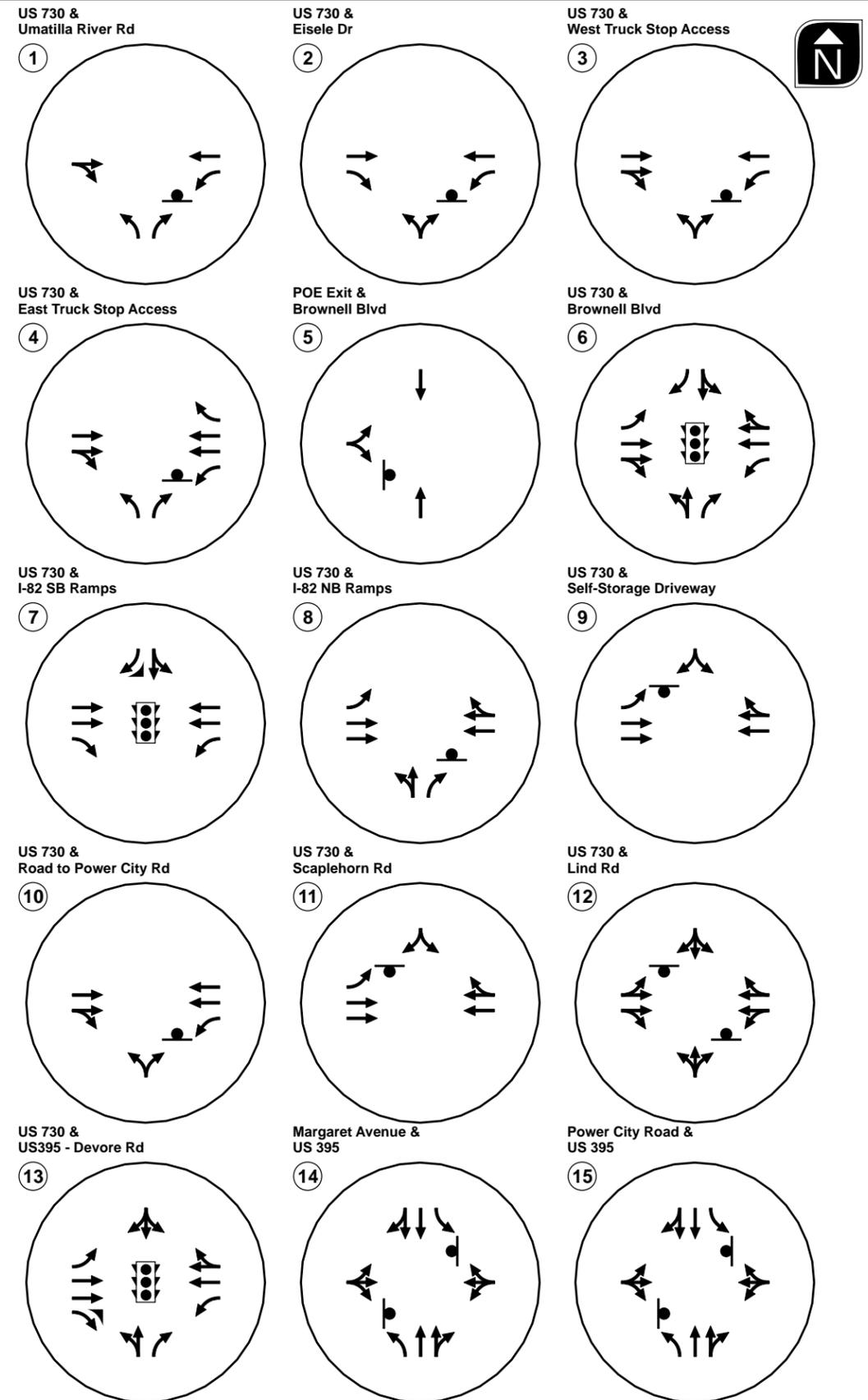
Farmland and aggregate mining are the predominant uses in the southern portion of southeast quadrant. There are a few scattered homes closer to I-82 and a cluster of rural low-density single-family homes in the southeast corner of the quadrant. The transmission lines that are thick directly south of US 730 in this quadrant branch and thin out in the southern portion of the quadrant.

## **EXISTING TRANSPORTATION INVENTORY**

The second major component of the I-82/US 730 IAMP existing conditions evaluation process is the transportation system. The existing transportation inventory provides a detailed description of all transportation facilities and travel modes within the IMSA. In addition, the inventory identifies the current operational, traffic control, and geometric characteristics of roadways and other transportation facilities.

### **ROADWAY FACILITIES**

The roadways within the IMSA include state and city roadways. A description of each of the functionally classified roadway facilities is summarized in Table 4-1. Figure 4-4 illustrates the existing lane configurations and traffic control devices at the respective study intersections.



**LEGEND**

- STOP SIGN
- TRAFFIC SIGNAL

**EXISTING LANE CONFIGURATIONS AND TRAFFIC CONTROL DEVICES UMATILLA, OREGON** **FIGURE 4-4**

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**TABLE 4-1 EXISTING TRANSPORTATION FACILITIES AND ROADWAY DESIGNATIONS**

| Roadway                         | Existing Roadway Ownership/ Functional Classification <sup>1</sup>                | Cross-section | Posted Speed (mph) | Side-walks? | Bicycle Lanes? | On-Street Parking? |
|---------------------------------|---|---------------|--------------------|-------------|----------------|--------------------|
| Interstate-82                   | ODOT/ Interstate Highway  | 4-lane        | 65                 | No          | No             | No                 |
| US 730 (6 <sup>th</sup> Street) | ODOT/ Statewide/Regional Highway-Freight Route <sup>3</sup> -STA-UBA <sup>2</sup> | 4/5-lane      | 45/35/25           | Partial     | Shoulders      | No                 |
| US 395                          | ODOT/ Statewide Highway – Freight Route <sup>3</sup>                              | 4/5-lane      | 55                 | No          | Shoulders      | No                 |
| Umatilla River Road             | County/Minor Arterial   | 2-lane        | 25/30              | Partial     | No             | No                 |
| Brownell Boulevard              | County/ Minor Arterial  | 2-lane        | None               | No          | No             | Yes                |
| Power City Road                 | County/Minor Arterial –Collector <sup>4</sup>                                     | 2-lane        | None               | No          | No             | No                 |
| Scaplehorn Road                 | County/Collector  | 2-lane        | None               | No          | No             | No                 |
| Lind Road                       | County/Minor Arterial-Collector-Local Street <sup>5</sup>                         | 2-lane        | None               | No          | No             | No                 |
| Devore Road                     | City/Collector  | 2-lane        | 25                 | No          | No             | No                 |
| Margaret Avenue                 | County/Minor Arterial   | 2-lane        | None               | No          | No             | No                 |
| Eisele Drive                    | City/Local  | 2-lane        | None               | No          | No             | No                 |

<sup>1</sup>County-owned roadways within the City of Umatilla’s Urban Growth Boundary retain the City’s functional classification.

<sup>2</sup>US 730 is classified as a regional highway west of the I-82 ramps and a statewide highway from the SB I-82 ramp to US 395. The STA designation applies west of Sloan Avenue, the UBA designation applies from Sloan Avenue to Brownell Boulevard, and the Freight Route designation applies from US 395 to the NB I-82 ramp.

<sup>3</sup>As Freight Routes, US 730 and US 395 are subject to the provisions of ORS 366.215 which states that Oregon “may not permanently reduce the vehicle-carrying capacity of an identified freight route when altering, relocating, changing or realigning a state highway unless safety or access considerations require the reduction.”

<sup>4</sup>Power City Road is classified as a collector from west of Lind Road and a minor arterial from Lind Road to US 395.

<sup>5</sup>Lind Road is classified as a minor arterial south of Margaret Avenue, a collector north of Margaret Avenue to the canal, and a local street north of the canal to US 730.

### Interstate-82

I-82 is a four-lane interstate highway that runs north-south through Umatilla. It connects I-84 in Oregon to I-90 in Washington and travels through Yakima and the Tri-Cities in Washington. I-82 is part of the National Highway System and is designated in the 1999 Oregon Highway Plan (Reference 1) as an Interstate Highway, Freight Route, and Truck Route.

### Interstate-82/US 730 Interchange Ramps

The I-82/US-730 interchange ramps are currently configured in a diamond interchange form. The southbound ramp terminal is signalized, while the northbound ramp terminal is stop-controlled on

the off-ramp approach. Due to the area's topography, I-82 is elevated over US 730. South of US 730, I-82 has an uphill grade from north to south. Consequently, vehicles, many of which are trucks, entering I-82 southbound must travel up a grade while accelerating to merge onto I-82.

Operations at the southbound ramp terminals intersection with US 730 are directly influenced by nearby intersections. Exhibit 4-1, displayed below, shows the spacing between the I-82 ramp terminals and the neighboring intersections. As the exhibit shows, the signalized US 730/Brownell Boulevard intersection is located approximately 170 feet west of the southbound ramp terminal. Furthermore, the entrance to the Umatilla Port of Entry (POE) is located only 150 feet west of the Brownell Boulevard intersection. Spacing this close presents the opportunity for vehicular queues to spillback from one intersection into the other intersection(s). While the POE entrance is not signalized at US 730, its flow is controlled by the internal weigh station, which can cause queues to back-up during peak periods. A significant portion of the traffic volume in the outer lanes of US 730 in both directions between the southbound ramp terminal and Brownell Boulevard is made up of heavy trucks traveling between I-82 southbound and the POE.

**Exhibit 4-1 Intersection Spacing Near I-82 SB Ramp Terminals**



US 730 (6<sup>th</sup> Street)

US 730, the Columbia River Highway, is classified by the Oregon Highway Plan as a Statewide Highway from the southbound I-82 ramp terminal east to US 395. West of the southbound terminal, it is classified as a Regional Highway and is not a National Highway System (NHS) route. Between the I-82 northbound ramp and US 395, it is designated as a Freight Route and a Truck Route. It travels primarily east-west along the Columbia River from I-84 east of Boardman to US 12 in Washington, passing through Irrigon and Umatilla along the way. Locally, it is also known as 6<sup>th</sup> Street through Umatilla. 3<sup>rd</sup> Street and US 730 provide the only east-west connections between downtown Umatilla and the McNary area of Umatilla, making US 730 a vital connection to Umatilla. Within the study area, US 730 has signalized intersections at the southbound I-82 ramp terminal, Brownell Boulevard, and US 395.

US 395

US 395, the Umatilla-Stanfield Highway, is classified as a Statewide Highway by the Oregon Highway Plan. It is also a designated Freight Route and Truck Route. This highway provides a connection between US 730, the cities of Hermiston and Stanfield, and I-84.

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#### Umatilla River Road

Umatilla River Road is a County roadway that runs along the Umatilla River and provides a connection between US 730 and Hermiston, essentially serving as a parallel route to US 395 through this area. It is a two-lane roadway with narrow shoulders that are partially paved and partially gravel. There are a handful of residential and farm properties that connect to Umatilla River Road. It is classified as a minor arterial by the City of Umatilla Transportation System Plan (TSP, Reference 2). The TSP notes that this roadway is the first choice for many residents traveling between Umatilla and Hermiston.

#### Brownell Boulevard

Brownell Boulevard is a two-lane County roadway connecting US 730 to 3<sup>rd</sup> Street on the west side of I-82. East of I-82 (the roadway was divided due to the construction of I-82), Brownell Boulevard continues north from 3<sup>rd</sup> Street to a wildlife refuge on the Columbia River shore. All traffic from the Umatilla Port of Entry exits the facility onto Brownell Boulevard before returning to US 730 and I-82. It is classified as a minor arterial. On-street parking is permitted on Brownell Boulevard.

#### Power City Road

Power City Road provides access to the gravel quarries in the southeast quadrant of the I-82/US 730 interchange and to residential areas west of US 395. Access to US 730 is provided via a private driveway between I-82 and Scaplehorn Road. Power City Road is a two-lane roadway and is classified as a minor arterial east of Lind Road to US 395 and as a collector west of Lind Road. The roadway is not paved west of Lind Road.

#### Scaplehorn Road

Scaplehorn Road is a two-lane County roadway that provides access to several home sites and a number of undeveloped parcels that have the potential for commercial development. Scaplehorn Road is classified as a collector.

#### Lind Road

Lind Road parallels US 395 from US 730 to Bensel Road, which is located at the southern boundary of the IMSA. Lind Road is two-lane County roadway classified as a minor arterial from Bensel Road to Margaret Avenue, a collector from Margaret Avenue to the irrigation canal, and then as a local street from the canal to US 730.

#### Devore Road

Devore Road is a two-lane City roadway and is the northern approach of the US 730/US 395 intersection. Devore Road is a collector and provides access to 3<sup>rd</sup> Street and the McNary Dam.

#### Margaret Avenue

Margaret Avenue provides access to residential properties on the west side of US 395. It is two-lane roadway and is classified as a minor arterial.

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Eisele Drive

Eisele Drive is a two-lane City roadway. It provides access to commercial properties and the Post Office south of US 730. Eisele Drive is also sometimes referred to as Draper Street.

### **PUBLIC TRANSPORTATION FACILITIES**

There are no fixed line public transportation facilities that operate within the IMSA. Regional dial-a-ride providers, such as RSVP of Eastern Oregon, provide limited service for elderly and/or disabled Umatilla residents. These providers are located outside of Umatilla. Intercity bus service is provided by Greyhound. Daily service is provided at a stop located at the US 730/Switzler Avenue intersection on an as-needed basis, meaning passengers waiting at the stop must flag-down the bus. There is no shelter or obvious markings at the stop location. The service provides connections to Portland and Pendleton, Oregon, and Tri-Cities, Washington.

### **PEDESTRIAN AND BICYCLE FACILITIES**

Sidewalks and shoulders make up the exclusive pedestrian and bicycle facilities inventory along the study roadways. Sidewalks are present on both sides of US 730 west of the Umatilla River and on the south side only from the bridge over the river to Brownell Boulevard. There is also a sidewalk on the west side of Umatilla River Road between US 730 and 7<sup>th</sup> Street. Generally, pedestrian activity in the study area is the highest on US 730 between the Umatilla River and Brownell Boulevard (it should be noted that pedestrian counts were not conducted on US 395 except at its intersection with US 730). The western driveway from the truck stop onto US 730 had the highest amount of pedestrian activity, with 27 pedestrians walking through the intersection from 6 a.m. to 10 p.m. The highest hour occurred from 2:00 to 3:00 p.m. when 6 pedestrians were observed.

Marked bicycle lanes are not present on any of the study roadways. Shoulders are provided along the majority of US 730 and US 395, as well as sections of Umatilla River Road and Devore Road, though they are often either narrow or gravel. The highest bicycle volumes were observed at the US 730/Brownell Boulevard intersection, where 12 bicycles passed through between 6 a.m. and 10 p.m. Six bicycles passed through US 730/Lind Road and the Port of Entry exit onto Brownell Boulevard as well. No bicycles were observed along US 395, during the count months.

### **EXISTING TRAFFIC VOLUMES AND PEAK HOUR OPERATIONS**

Manual intersection turning movement counts were obtained from ODOT at each of the study intersections to assess the operational performance and characteristics within the study area. These counts were conducted on mid-week days in June and September 2009, as well as January 2010. A description of the analysis conducted with this data is summarized in the following sections.

#### **Peak Hour Intersection Volumes**

Turning movement counts at each intersection were recorded from 6:00 a.m. to 10:00 p.m. Because of the close proximity of the intersections, a system-wide peak hour is identified based on the volumes at all study intersections. The weekday p.m. peak hour in the IMSA occurs from 4:30–5:30 p.m. The turning movement volumes at each study intersection are balanced during this hour to account for the differences in data collection dates and locations where some data is missing.

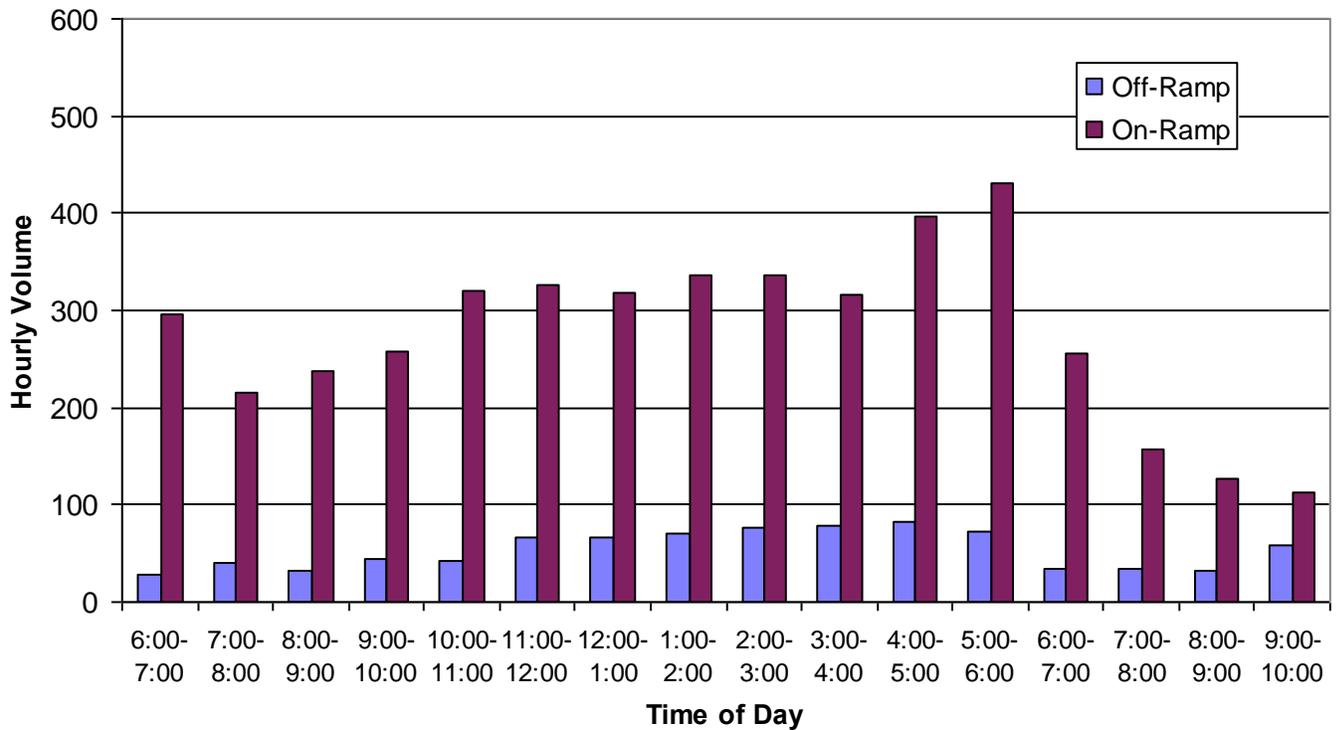
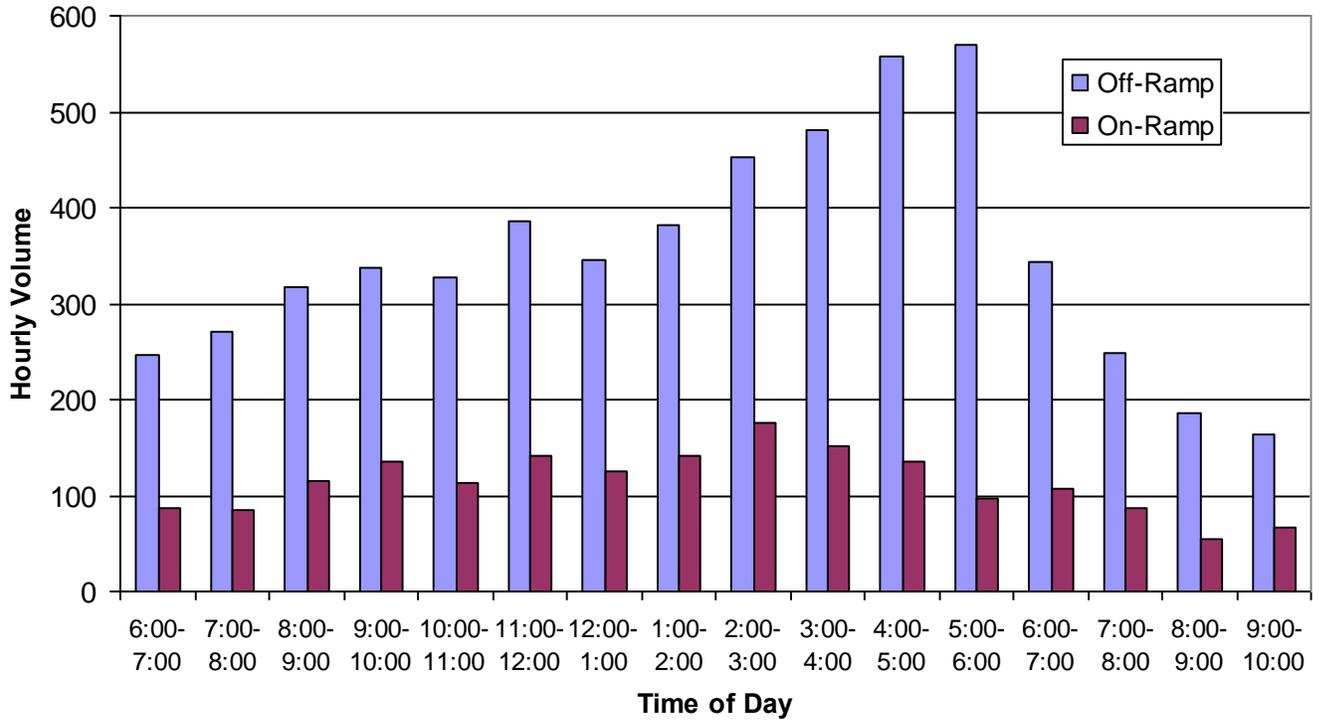
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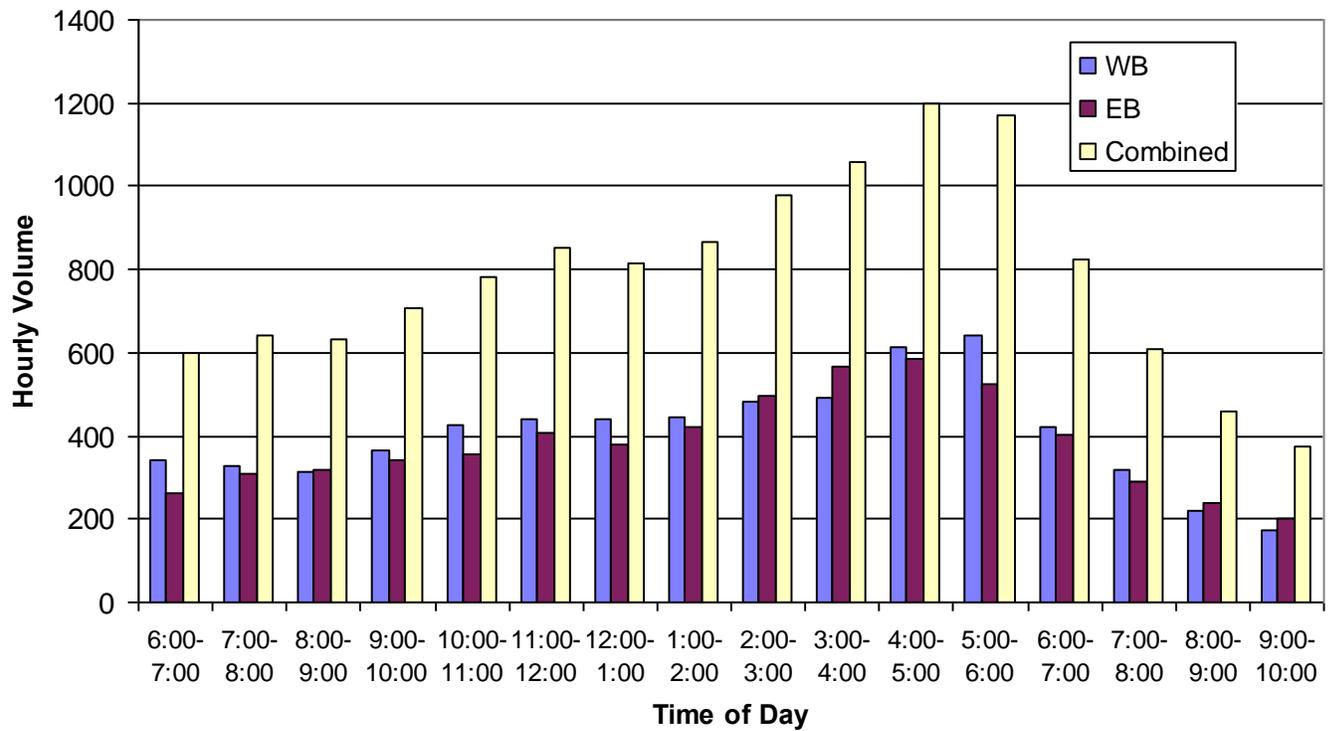
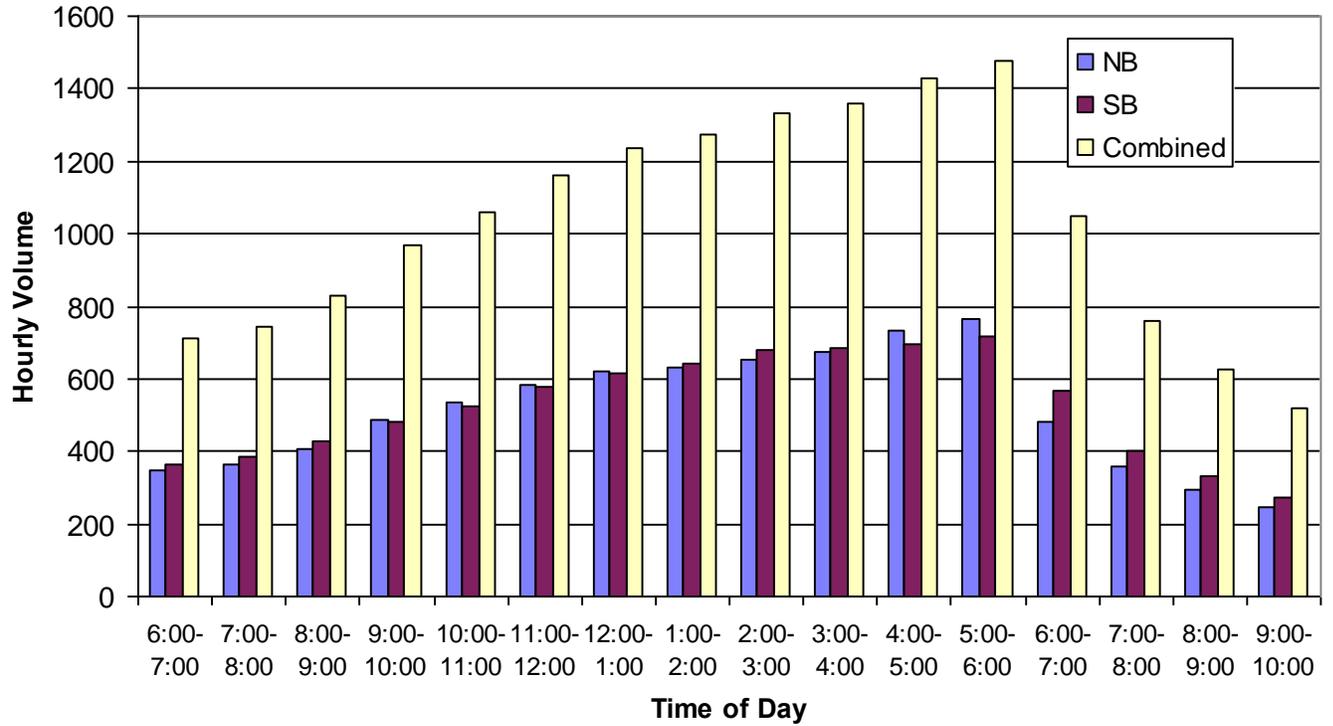
## Seasonal Adjustments

Following the methodology outlined by ODOT's Analysis Procedures Manual (APM, Reference 3), a seasonal adjustment factor was applied to the traffic counts collected for the existing conditions analysis in order to estimate 30<sup>th</sup> highest hour volumes. The counts were collected in June, September, and January, so seasonal adjustment factors were calculated for all three months. An exception to this is that volumes for I-82 were taken from ODOT automatic traffic recorder (ATR) #30-025, 0.58 mile south of the Washington border. These volumes are from the month of August, so no seasonal adjustment was necessary. There is not an ATR on a section of US 730 or US 395 in the vicinity of the study area that exhibits similar characteristics to the highways within the study area. In consultation with ODOT staff, ATR #05-006, located on at milepost 53.33 on US 30 near Rainier, was determined to have the most similar characteristics to US 730 within the study area. The factors for US 730 and US 395 for June and September are 1.08, while the factor for January is 1.39. To ensure that these factors adequately represent the peak harvest period traffic volumes experienced in this area, they were compared to factors calculated from nearby ATR #30-025 on I-82. This comparison showed that the factors calculated from the US 30 ATR are similar to those that would be calculated from the I-82 ATR. Generally factors greater than 1.30 are to be avoided according to the APM; however, in this instance the January counts are balanced against neighboring June and September counts (e.g. if a seasonally adjusted January count is different than a seasonally adjusted June or September count, then the January count is corrected). Furthermore, the exiting volume from the Port of Entry was verified with Port of Entry staff to ensure it accurately reflects a peak volume experienced during the peak season.

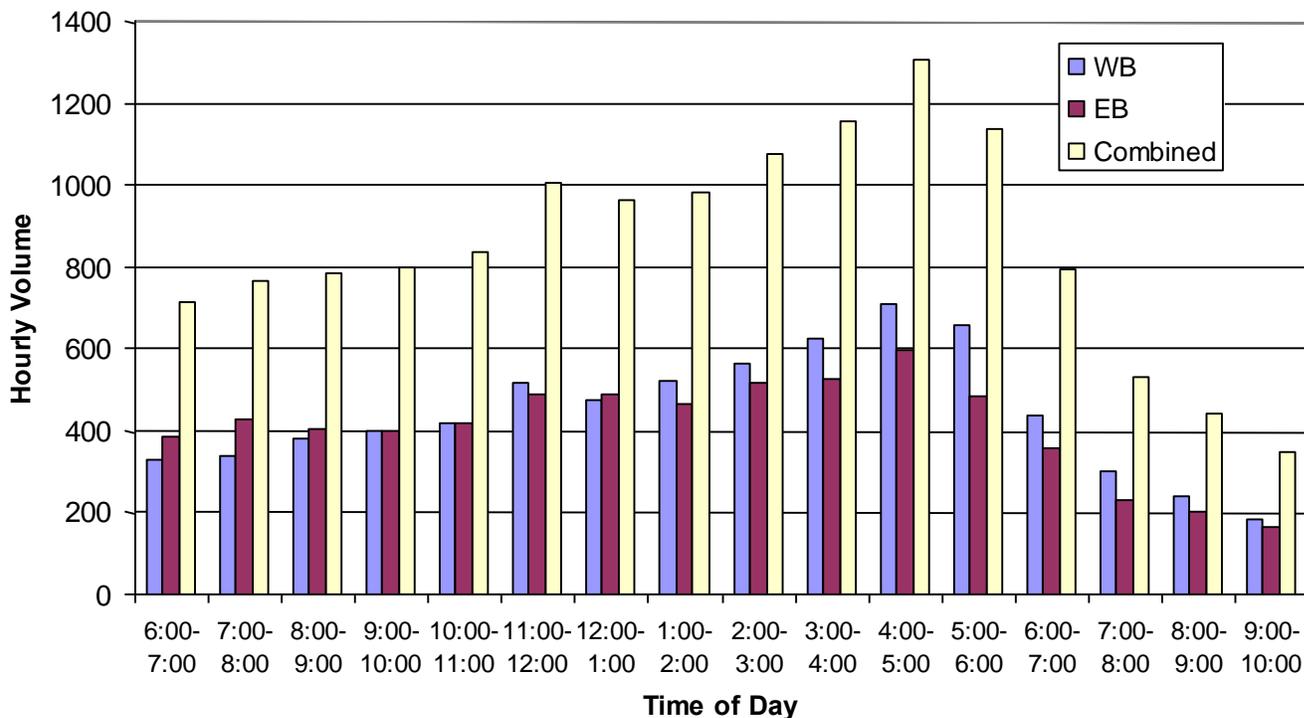
Exhibits 4-2 through 4-4 illustrate the 16-hour volume peaking characteristics of the I-82 ramp traffic and I-82 through traffic. Exhibits 4-5 and 4-6 illustrate the 16-hour volume peaking characteristics of US 730 on either side of I-82. The volumes shown in these exhibits have been seasonally adjusted.

Exhibit 4.3 Daily Traffic Volume Profile for I-82 Southbound Ramp at US 730





**Exhibit 4-6 Daily Traffic Volume Profile on US 730 West of I-82**



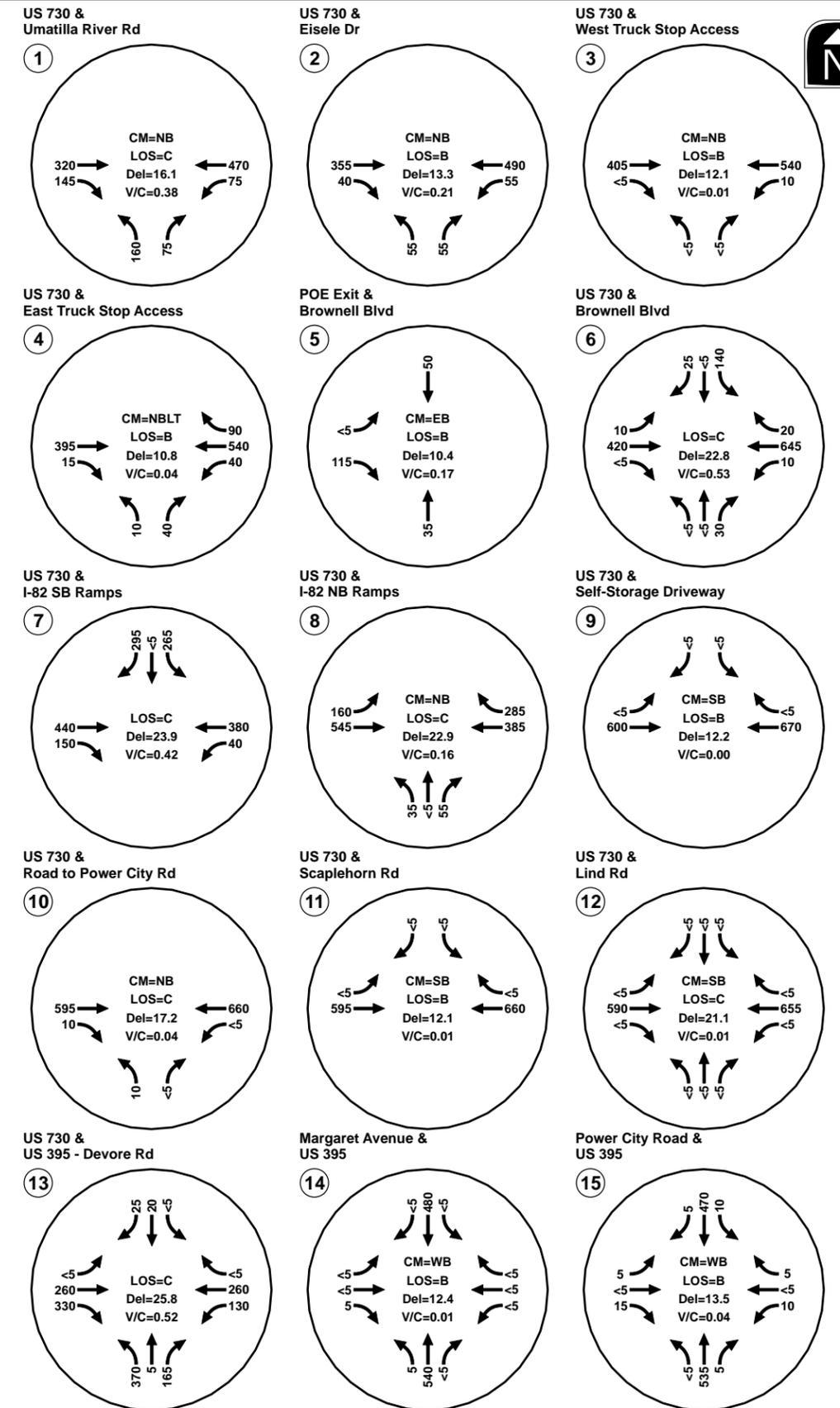
Traffic traveling to and from I-82 significantly influences traffic volumes on US 730. As the exhibits show, the peak hour volumes on each of the I-82 ramps are approximately 40-50% of the volumes on US 730 during that same period. Essentially, nearly half of the traffic on US 730 in the proximity of I-82 is traveling to or from the interstate.

Exhibits 4-2 and 4-3 show that the I-82 ramps each have a dominant traffic pattern that lasts throughout the day. Traffic volumes on the I-82 southbound off-ramp are significantly higher than volumes on the southbound on-ramp throughout the 16-hour period that counts were conducted. The exact reverse pattern occurs on the northbound ramps, where the off-ramp has significantly lower volumes than the on-ramp. These patterns are indicative of the region-wide, and even statewide, travel that is served by US 730 and US 395. Southbound traffic on I-82 that exits at this interchanges utilizes US 730 and US 395 to reach other regional (e.g. Hermiston and Irrigon) and statewide (e.g. I-84) destinations. Traffic entering northbound I-82 at this interchange reaches the interchange in a reverse pattern along these same routes.

The weekday 30<sup>th</sup> highest hour intersection turning movement counts used for the existing conditions analysis are shown in Figure 4-5.

**Existing Intersection Operations**

All level of service analyses described in this analysis was performed in accordance with the procedures stated in the 2000 *Highway Capacity Manual* (Reference 4). The OHP sets operational standards based on volume-to-capacity (v/c) ratios for the interchange ramp terminals (v/c of 0.80 for the northbound ramp terminal and 0.85 for the southbound ramp terminal), intersections of US 730 (v/c of 0.85 between Brownell Boulevard and Sloan Avenue and v/c of 0.70 east of I-82), and US 395 (v/c of 0.70). These standards apply to the overall v/c ratio at the signalized intersections and to



**LEGEND**

CM = CRITICAL MOVEMENT (UNSIGNALIZED)  
 LOS = INTERSECTION LEVEL OF SERVICE (SIGNALIZED)/CRITICAL MOVEMENT LEVEL OF SERVICE (UNSIGNALIZED)  
 Del = INTERSECTION AVERAGE CONTROL DELAY (SIGNALIZED)/CRITICAL MOVEMENT CONTROL DELAY (UNSIGNALIZED)  
 V/C = CRITICAL VOLUME-TO-CAPACITY RATIO

**EXISTING TRAFFIC CONDITIONS  
 30TH HIGHEST HOUR  
 UMATILLA, OREGON** **FIGURE 4-5**

H:\p\proj\10369 - I-82 US 730 IAMP\GIS\ExOps2.mxd

the state highway approaches at unsignalized intersections. The minor street approaches that are stop-controlled at signalized intersections have a standard of a v/c ratio of 0.90.

As shown in Figure 4-5, all study intersections currently meet applicable operation standards when evaluated in isolation. The existing conditions operations worksheets are provided in the *Technical Appendix*. While overall intersection standards are met, there are operational and queuing concerns associated with the closely spaced signalized intersections on US 730 at Brownell Boulevard and the I-82 Southbound ramp terminal.

#### Brownell Boulevard and I-82 Southbound Ramp Terminal Intersections

The US 730 signalized intersections of Brownell Boulevard and the US 730/I-82 Southbound ramp terminal are located within close proximity, with approximately 170 feet between them (only approximately 110 feet between the southbound right-turn from the I-82 ramp to Brownell Boulevard). The signals have been coordinated and operate using the same controller as one signal in an effort to improve intersection operations. Nevertheless, queuing problems associated with truck traffic accessing the Umatilla Port of Entry weigh station continue to occur at the two intersections. This condition varies by season due to increase of trucks during mid-summer and fall harvests. During these times, it is not uncommon for sudden spikes in truck traffic to cause significant queuing from the Port of Entry station back onto US 730 and further back onto the I-82 SB off-ramp. These situations force the Port of Entry staff to close down their weigh scales for a short period in order for the back-up to dissipate. Additionally, many of these trucks exit the Port of Entry and return to I-82 SB (see Exhibit 4-7). Only a few trucks are able to make the maneuver from Brownell Boulevard onto I-82 SB per signal cycle; therefore, queues on Brownell Boulevard back up to the Port of Entry exit during these peak times.

**Exhibit 4-7 Trucks Exiting the Port of Entry to Return to I-82 Southbound**



#### *Weigh-in-Motion*

As was mentioned above, commercial truck traffic exiting I-82 to be weighed at the POE influences traffic operations in the interchange vicinity. Commercial truck traffic must be weighed when entering Oregon from another state. Historically, this has primarily occurred at weigh stations, which has required trucks to exit the mainline of the highway in order to be weighed. For trucks entering Oregon from Washington via I-82, this has occurred at the Umatilla POE. This process adds to the time it takes to transport goods, and in the case of Umatilla, contributes heavy truck traffic to the non-Interstate system. In order to facilitate this process and reduce its impacts, ODOT implemented the Oregon Green Light program in 1997. This program allows commercial truck

drivers that register with the program and install the supplied transponder to weigh-in-motion on the roadway and bypass the off-system weigh station. Such a bypass exists on I-82 at Umatilla, which reduces the amount of truck traffic utilizing the POE. In September 2009, approximately 30,700 trucks were weighed at Umatilla, with approximately 14,300 trucks, or approximately 47% of all trucks, being granted a bypass by the Green Light system. These are trucks that would have otherwise had to stop at the Umatilla POE. Statewide, the use of the Oregon Green Light program is steadily increasing, with the number of trucks being granted bypasses increasing by nearly 20% from 2006 to 2009. ODOT staff expect use of the program to continue to rise until the industry is saturated.

### **TRAFFIC SAFETY**

The crash histories at the study area intersections and along the study area highways (i.e. I-82, US 730, and US 395) were reviewed in an effort to identify potential safety issues. Crash records were obtained from ODOT for the five-year period from January 1, 2004 through December 31, 2008. Table 4-2 contains the summary of reported crashes at these intersections and Table 4-3 contains the summary of reported crashes along the roadways.

**TABLE 4-2  
INTERSECTION CRASH HISTORIES (JANUARY 1, 2004 THROUGH DECEMBER 31, 2008)**

| Intersection                   | # of Crashes  | Crash Rate <sup>1</sup> | Crash Type |          |         |       | Severity |        |          |
|--------------------------------|---------------|-------------------------|------------|----------|---------|-------|----------|--------|----------|
|                                |               |                         | Angle      | Rear-End | Turning | Other | PDO      | Injury | Fatality |
| I-82 SB Ramp Terminal/ US 730  | 11            | 0.3                     | 2          | 8        | 0       | 1     | 10       | 1      | 0        |
| I-82 NB Ramp Terminal/ US 730  | 2             | 0.1                     | 2          | 0        | 0       | 0     | 0        | 2      | 0        |
| Umatilla River Rd/ US 730      | 3             | 0.1                     | 1          | 0        | 0       | 1     | 2        | 1      | 0        |
| Eisele Dr/US 730               | 1             | 0.1                     | 0          | 0        | 0       | 1     | 0        | 1      | 0        |
| West Truck Stop Access/US 730  | None Reported |                         |            |          |         |       |          |        |          |
| East Truck Stop Access/US 730  | None Reported |                         |            |          |         |       |          |        |          |
| Brownell Blvd/US 730           | 8             | 0.3                     | 1          | 5        | 1       | 1     | 4        | 4      | 0        |
| Self Storage Driveway/US 730   | None Reported |                         |            |          |         |       |          |        |          |
| Road to Power City Road/US 730 | None Reported |                         |            |          |         |       |          |        |          |
| Scaplehorn Rd/US 730           | None Reported |                         |            |          |         |       |          |        |          |
| Lind Rd/US 730                 | None Reported |                         |            |          |         |       |          |        |          |
| US 395-Devore Rd/ US 730       | 11            | 0.4                     | 5          | 3        | 2       | 1     | 7        | 4      | 0        |
| Margaret Ave/US 395            | None Reported |                         |            |          |         |       |          |        |          |
| Power City Rd/US 395           | 2             | 0.1                     | 0          | 0        | 1       | 1     | 1        | 1      | 0        |

<sup>1</sup>Crash rate is expressed in terms of crashes per million entering vehicles

**TABLE 4-3  
ROADWAY SEGMENT CRASH HISTORIES (JANUARY 1, 2004 THROUGH DECEMBER 31, 2008)**

| Roadway                                    | # of Crashes | Crash Rate <sup>1</sup> | Crash Type        |              |           |                 |       | Severity |        |          |
|--|--------------|-------------------------|-------------------|--------------|-----------|-----------------|-------|----------|--------|----------|
|  |              |                         | Angle/<br>Turning | Rear-<br>End | Sideswipe | Fixed<br>Object | Other | PDO      | Injury | Fatality |
| I-82: WA State Line –Umatilla River Bridge | 23           | 0.37                    | 1                 | 0            | 1         | 13              | 8     | 10       | 12     | 1        |
| US 730: Sloan Ave – Columbia Blvd          | 46           | 1.32                    | 14                | 23           | 4         | 1               | 4     | 29       | 17     | 0        |
| US 395: US 730 – Union St                  | 15           | 0.76                    | 4                 | 4            | 1         | 3               | 3     | 11       | 4      | 0        |

<sup>1</sup>Crash rate is expressed in terms of crashes per million entering vehicles

The US 395-Devore Rd/US 730 intersection exhibits the highest crash rate in Table 4-2. Seven of the eleven reported crashes are angle or turning crashes. The majority of these seven crashes involve the southern US 395 approach. This approach is controlled using split-phasing, so no other movements on the other approaches at the intersection are permitted during the same phase. Field observations did not reveal any notable sight distance deficiencies. A more detailed review of the crash data at this intersection did not reveal any weather-related or time of day patterns. That the southern US 395 approach is involved in the majority of the turning and angle crashes reported at this intersection is consistent with the higher traffic volumes and higher speeds on US 395.

The US 730/I-82 Southbound ramp terminal also had 11 reported crashes. The predominant crash pattern at this intersection is rear-end crashes. Five of the rear-end crashes occurred on the westbound approach, while the other three occurred on the southbound off-ramp. These patterns are fairly typical at signalized intersections, especially where traffic on certain approaches has been traveling uncontrolled for some distance (e.g. on I-82 or US 730 between US 395 and I-82). It is also worth noting that the I-82 bridge over US 730 obstructs the view of the traffic signal heads at this intersection for westbound traffic. Motorists traveling westbound on US 730 are generally not able to see the signal heads until US 730 begins to flatten just east of the northbound ramp terminals. This may be a contributing factor to rear-end crashes on the westbound approach.

Vehicular queues on the westbound approach at the US 730/I-82 Southbound ramp terminal do sometimes back up in front of the northbound ramp terminals during peak periods. The crash data at this intersection does not indicate that this is currently causing a significant number of crashes. However, this may become more of a safety issue as traffic volumes increase, and in turn, so do these instances of blockage.

As Table 4-3 shows, US 730 has the highest crash rate of the roadway segments within the study area. This is likely due to the greater presence of signalized intersections and driveways on this roadway compared to other two roadways. Rear-end and angle/turning crashes are the most common crash type along US 730, and the majority of these crashes were reported at one of the three signalized intersections. The fatality crash on I-82 occurred when the driver of a passenger car traveling northbound overturned. According to the crash report, the driver was traveling too fast

for conditions, over-corrected, and skidded off the road. Pavement conditions were dry at the time, though it was at night. No other vehicles were involved in this crash.

### **EXISTING ROADWAY ACCESS CONDITIONS**

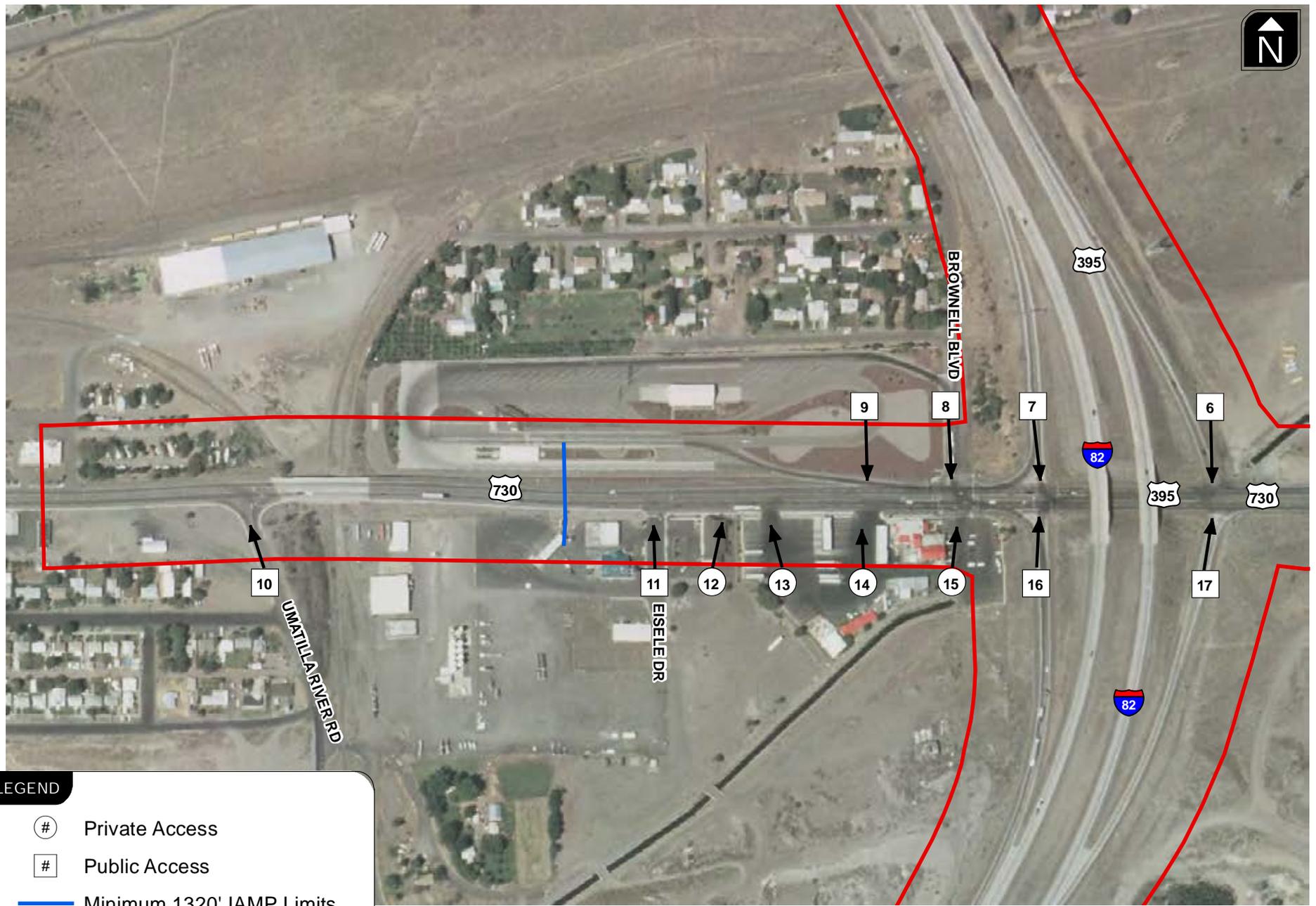
Along the US 730 study corridor, there is no existing access control. There are currently 21 public and private access points (excluding the interchange ramp terminals) located within the US 730 Operations and Access Study Area (roughly ½ mile to the east and west of the interchange). Of these access points, 8 are located west of the interchange, while the remaining 13 access points are located east of the interchange. Access is somewhat limited on the west side by the presence of the Umatilla River, the Umatilla Port of Entry, which occupies the entire northern frontage along US 730 between Brownell Boulevard and the river, and the railroad tracks. Figures 4-6 and 4-7 illustrate the location and type (public or private) of each of the access locations within the Operations and Access Study Area. Table 4-1 summarizes the tax lots and existing businesses served by each of the access points as well as other miscellaneous descriptive information such as driveway width, mile point location, and permit number (if applicable).

Oregon Administrative Rule 734, Division 51 and the Oregon Highway Plan (OHP) identify ODOT's access management standards within the vicinity of interchanges. Based on an outright application of the standards, no full public or private access is allowed within 1,320 feet (¼ mile) from the ramp terminals. Figures 4-6 and 4-7 show the 1,320 feet access control area as measured from the Interstate-82 ramp terminal intersections. As shown, 6 private and 4 public accesses are located within the 1,320-foot control area on either side of the interchange. The presence of the signalized Brownell Boulevard intersection located less than 200 feet west of the southbound ramp terminal, along with the existing private driveways and Port of Entry entrance, will be important access planning elements to be explored as part of future alternatives analyses.

**TABLE 4-4 EXISTING PUBLIC/PRIVATE ACCESS APPROACH INVENTORY**

| Figure ID | Roadway | Approach Type | Side of Roadway | Serves Tax Lot Number                | Property Owner/<br>Business Name              | Mile Point | Approach Width | Permitted?/<br>Permit # | Date of Permit |
|-----------|---------|---------------|-----------------|--------------------------------------|---|------------|----------------|-------------------------|----------------|
| 1         | US 730  | Public        | North           | -                                    | DeVore Road                                   | 184.87     | 83'            | 19417                   | 1/14/1972      |
| 2         | US 730  | Private       | North           | 5N 28 16AA, 1100, 1101, 1102, 1103   | Residential                                   | 184.779    | 16'            | Not Permitted           | -              |
| 3         | US 730  | Private       | North           | 5N 28 16AA, 102                      | Residential                                   | 184.695    | 25'            | Not Permitted           | -              |
| 4         | US 730  | Public        | North           | -                                    | Scaplehorn Road                               | 184.32     | 67'            | Not Permitted           | -              |
| 5         | US 730  | Private       | North           | 5N 28 16 , 700, 800, 900, 1000, 1100 | Commercial (Umatilla Self Storage)            | 184.248    | 38'            | 22356                   | 4/16/1976      |
| 6         | US 730  | Public        | North           | -                                    | I-82 NB Ramp Terminal (On-ramp)               | 184.17     |                | -                       | -              |
| 7         | US 730  | Public        | North           | -                                    | I-82 SB Ramp Terminal (Off-ramp)              | 184.08     |                | -                       | -              |
| 8         | US 730  | Public        | North           | -                                    | Brownell Boulevard                            | 184.03     | 111'           | Not Permitted           | -              |
| 9         | US 730  | Public        | North           | 5N 28 16BC, 100                      | Port of Entry Entrance                        | 184.01     | 130'           | Not Permitted           | -              |
| 10        | US 730  | Public        | South           | -                                    | Umatilla River Road                           | 183.66     | 105'           | Not Permitted           | -              |
| 11        | US 730  | Public        | South           | -                                    | Eisele Drive                                  | 183.88     | 50'            | Not Permitted           | -              |
| 12        | US 730  | Private       | South           | 5N 28 16BC, 500                      | Commercial (US Post Office Employee Entrance) | 183.92     | 18'            | 12A35034                | 10/01/1993     |
| 13        | US 730  | Private       | South           | 5N 28 16, 1300, 1400                 | Commercial (Crossroads Truck Stop)            | 183.94     | 40'            | 29165                   | 5/10/1986      |
| 14        | US 730  | Private       | South           | 5N 28 16, 1300, 1400                 | Commercial (Crossroads Truck Stop)            | 183.991    | 67'            | 29165                   | 5/10/1986      |
| 15        | US 730  | Private       | South           | 5N 28 16, 1500                       | Commercial (Crossroads Truck Stop)            | 184.03     | 65'            | Not Permitted           | -              |
| 16        | US 730  | Public        | South           | -                                    | I-82 SB Ramp Terminal (On-ramp)               | 184.08     | -              | -                       | -              |
| 17        | US 730  | Public        | South           | -                                    | I-82 NB Ramp Terminal (Off-ramp)              | 184.17     | -              | -                       | -              |

| Figure ID | Roadway | Approach Type | Side of Roadway | Serves Tax Lot Number | Property Owner/<br>Business Name | Mile Point | Approach Width | Permitted?/<br>Permit # | Date of Permit |
|-----------|---------|---------------|-----------------|-----------------------|----------------------------------|------------|----------------|-------------------------|----------------|
| 18        | US 730  | Private       | South           | 5N 28 16, 1700        | Commercial (Road to Rock Pit)    | 184.29     | 44'            | Not Permitted           | -              |
| 19        | US 730  | Private       | South           | 5N 28 16AD, 400       | ODOT Stockpile site              | 184.692    | 23'            | Not Permitted           | -              |
| 20        | US 730  | Private       | South           | 5N 28 16AD, 200       | Commercial (closed fruit stand)  | 184.696    | 20'            | Not Permitted           | -              |
| 21        | US 730  | Private       | South           | 5N 28 16AD, 200       | Commercial (closed fruit stand)  | 184.731    | 48'            | Not Permitted           | -              |
| 22        | US 730  | Private       | South           | 5N 28 16AD, 100       | Residence                        | 184.771    | 29'            | Not Permitted           | -              |
| 23        | US 730  | Public        | South           | -                     | Lind Road                        | 184.78     | 29'            | Not Permitted           | -              |
| 24        | US 730  | Public        | South           | -                     | Connection to US 395             | 184.81     | -              | Not Permitted           | -              |
| 25        | US 730  | Public        | South           | -                     | US 395                           | 184.87     | -              | Not Permitted           | -              |



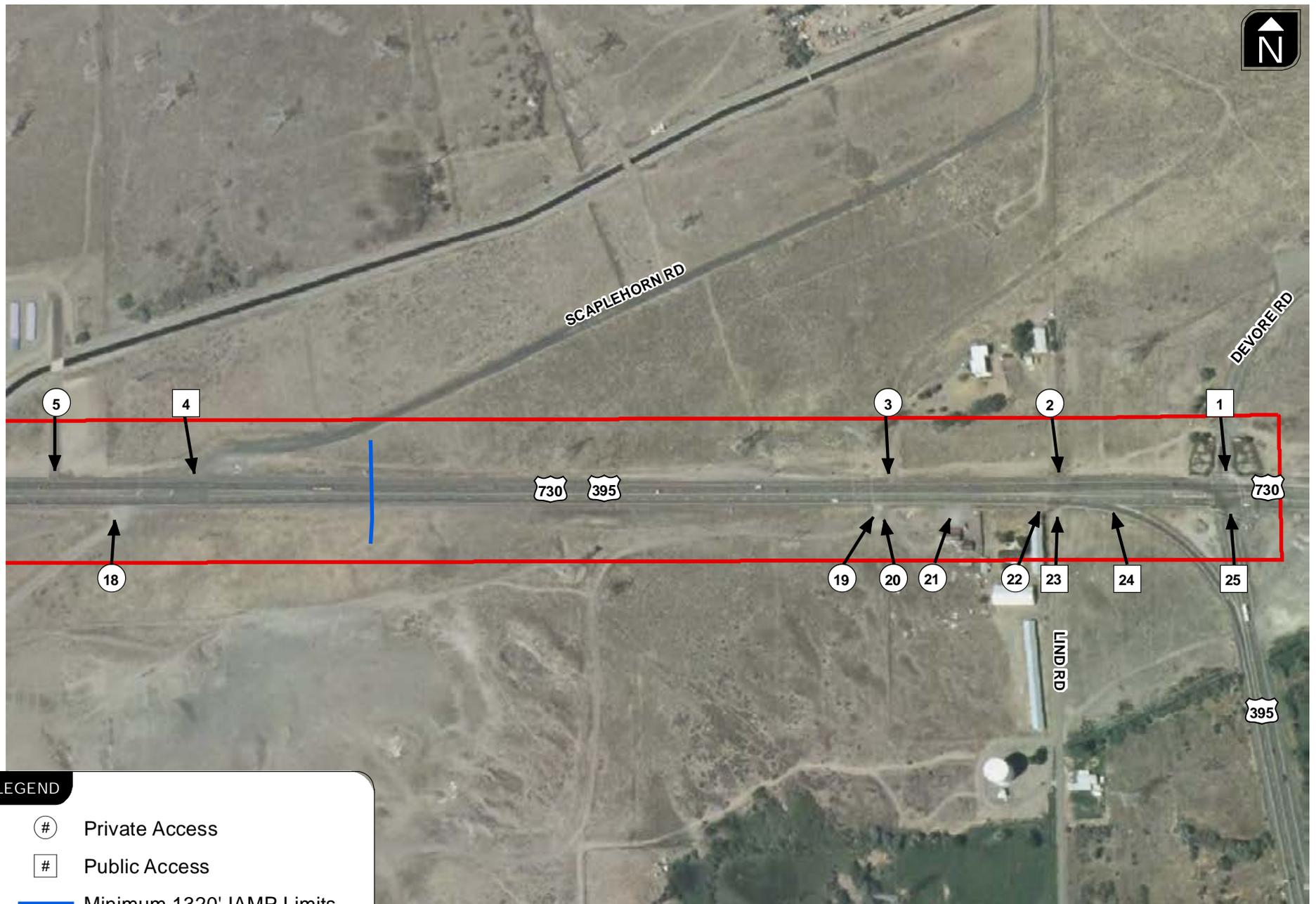
LEGEND

- # Private Access
- # Public Access
- Minimum 1320' IAMP Limits
- ▭ Operations/Access Study Area

ACCESS INVENTORY WEST OF I-82 AND I-82 RAMPS UMATILLA, OREGON

FIGURE 4-6

H:\profile\10369 - I-82 US 730 IAMP\GIS\UmatillaAccessInventoryA.mxd



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**LEGEND**

- # Private Access
- # Public Access
- Minimum 1320' IAMP Limits
- ▭ Operations/Access Study Area

ACCESS INVENTORY  
EAST OF I-82  
UMATILLA, OREGON

**FIGURE 4-7**

## **EXISTING ROADWAY DEFICIENCIES**

No significant existing roadway deficiencies were identified within the IMSA along the paved sections of roadway.

## **ENVIRONMENT**

The existing environmental conditions and potential issues were identified. The following is a summary of potential environmental issues, permits, and additional actions that may be required as the project moves forward. A more detailed description of these items and the baseline conditions may be found in the Technical Appendix.

### Clean Water Act Section 404/Wetlands/Waters of US

A Section 404 Permit and a Removal/Fill Permit may be needed if the project crosses the Brownell Ditch or impacts the wetlands on the north end of the IAMP study area. Clear-spanning the Brownell Ditch would be the preferred option to avoid impacts and eliminate the need for the permits.

### Cultural Resources

The SHPO records search revealed nearly 30 cultural resources sites within a 1-mile radius of the IAMP study area. Locations of known cultural resources sites, along with coordination with the Confederated Tribes of the Umatilla Indian Reservation (CTUIR) should be included as part of the alternative design process to avoid known sites to the extent possible.

### Section 4(f)

Given the amount of cultural resources and the Lewis and Clark Commemorative Trail within and adjacent to the IAMP study area, a Section 4(f) analysis will be required as part of the environmental review for the project if these facilities are impacted. These resources should be considered during the alternative design to avoid impacting them to the extent possible.

### HAZMAT

There is a HAZMAT site in the southeast quadrant of the US 730/US 395-Devore Road intersection. This property and the potential issues associated with impacting it should be taken into consideration when designing any projects for this intersection.

## **SUMMARY**

- The primary roadways within the Interchange Management Study Area (IMSA) include Interstate-82, US 730, and US 395.
- All of the study intersections meet their respective ODOT mobility standard; however, the primary issue in the area is truck traffic circulation to and from the Umatilla Port of Entry. For inbound truck traffic, the problem is the close spacing of the Brownell Boulevard and I-82 Southbound terminal signalized intersections and the Umatilla Port of Entry entrance. Queues back up from the Port of Entry onto US 730 and the I-82 SB off-ramp, which forces

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the Port of Entry to close its weigh scales to allow the queue to clear. Outbound truck traffic queues up on Brownell Boulevard back to the Port of Entry exit during peak times, as well.

- There are no identified safety issues within the study area based on a review of the most recent five years of available crash data. However, it has been noted that there is a sight line issue for vehicles traveling westbound on US 730 and the ability to see in advance the traffic signal heads at the SB ramp terminal.
- Pedestrian and bicycle facilities are limited in the study area.
- There are currently 21 access points located within the Operations and Access Study Area (roughly ½-mile to the north and south of the interchange) along US 730. The existing access points are a combination of public and private approaches.
- ODOT's access spacing standard within the vicinity of the interchange is 1,320 feet (¼-mile) from the ramp terminals to any type of access (partial or full). Within this ¼-mile control area there are 6 private access points and 4 public accesses.
- Potential impacts to cultural resources and the Brownell Ditch will need to be identified as the project moves forward.

**Section 5**  
2030 Future Conditions

## 2030 Future Conditions

This section documents the future land use as well as the forecast traffic operations in the vicinity of the I-82/US 730 interchange. The future traffic projections are based on anticipated future land uses. Future land use information was determined through working with the City. Two future land use scenarios were developed for the purposes of projecting traffic conditions, in addition to the assumed regional growth outside of the Interchange Management Study Area (IMSA). The first land use scenario (Land Use Scenario #1) focuses on a reasonable full build-out of all vacant or re-developable land within the study area using the current City of Umatilla and Umatilla County zoning. Recognizing the potential for future City annexation and land use intensification in various parts of the study area, a second future sensitivity land use scenario (Land Use Scenario #2) was developed for informational purposes and to help the City establish future annexation thresholds. Land Use Scenario #1 is described and analyzed in this section. Information on and analysis of Land Use Scenario #2 can be found in the Technical Appendix.



### FUTURE LAND USES

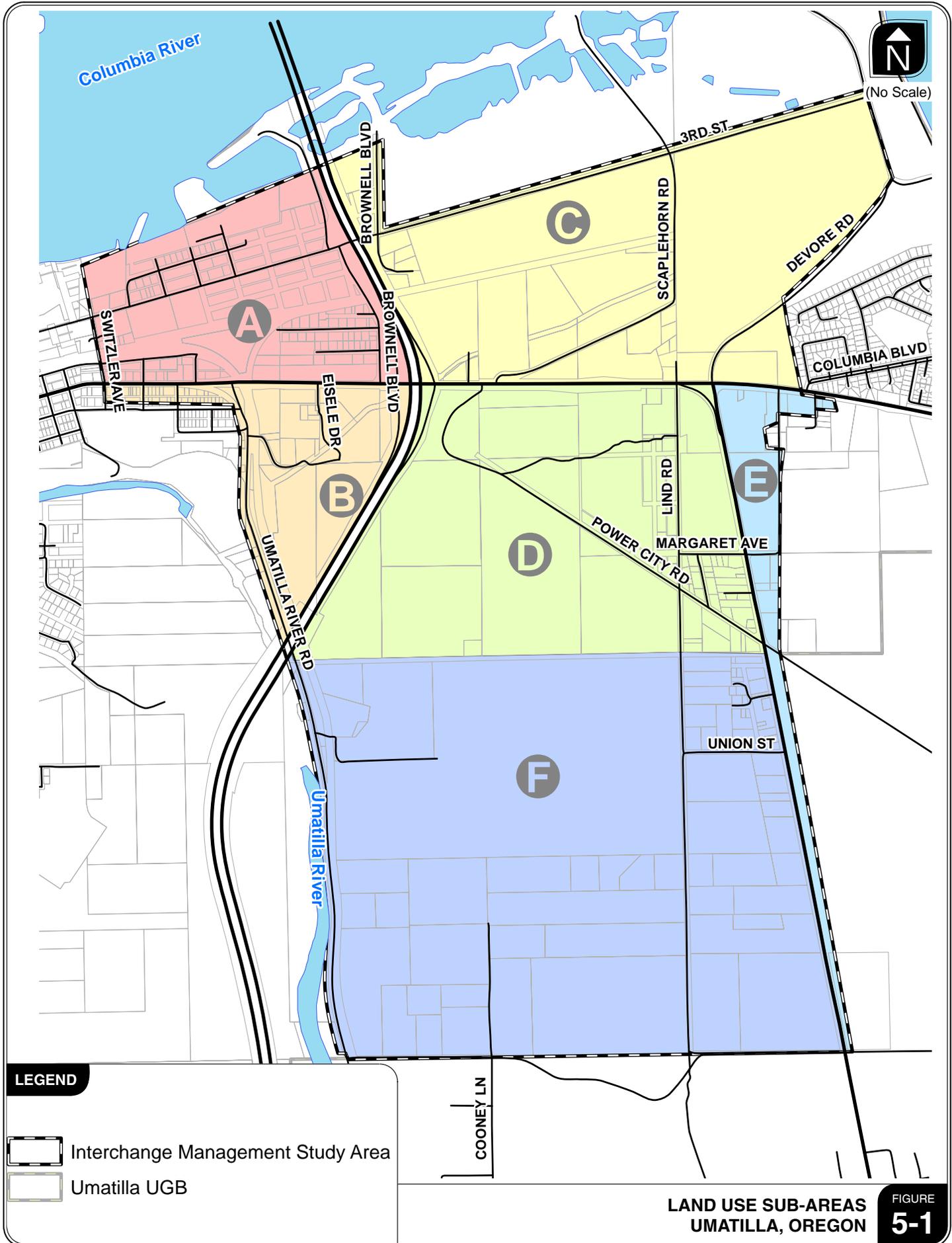
The analysis of future land uses within the vicinity of the I-82 / US 730 interchange was focused on parcels that are expected to have development or redevelopment potential that would generate traffic within the I-82/US 730 interchange study area. The IMSA defined in Figure 4-1 includes land both inside and outside the city limits and contains a variety of land uses, including commercial, residential, light industrial, general rural, and exclusive farm use.

#### ***Sub-Area Analysis***

For the purposes of forecasting future development potential and access alternatives, the study area has been divided into six sub-areas, as illustrated in Figure 5-1. The sub-areas were defined based on current zoning (shown in Figure 5-2), the travel shed served, and point of primary access to the regional transportation network.

##### Sub-Area "A"

Sub-area "A" is located in the northwest corner of the IMSA and is bordered by I-82 to the east, US 730 to the south, the Columbia River to the north, and Switzler Avenue to the west. The majority of land within Sub-Area "A" is within the City of Umatilla city limits and is zoned R-2 (Multi-Family Residential), M-1 (Light Industrial), or GC (General Commercial). A small section of land that is Umatilla County zoned R-3 (Multi-Family Residential) resides just north of the GC zone. Vacant/re-developable land in Sub-Area "A" is limited to the R-2 and M-1 zones.



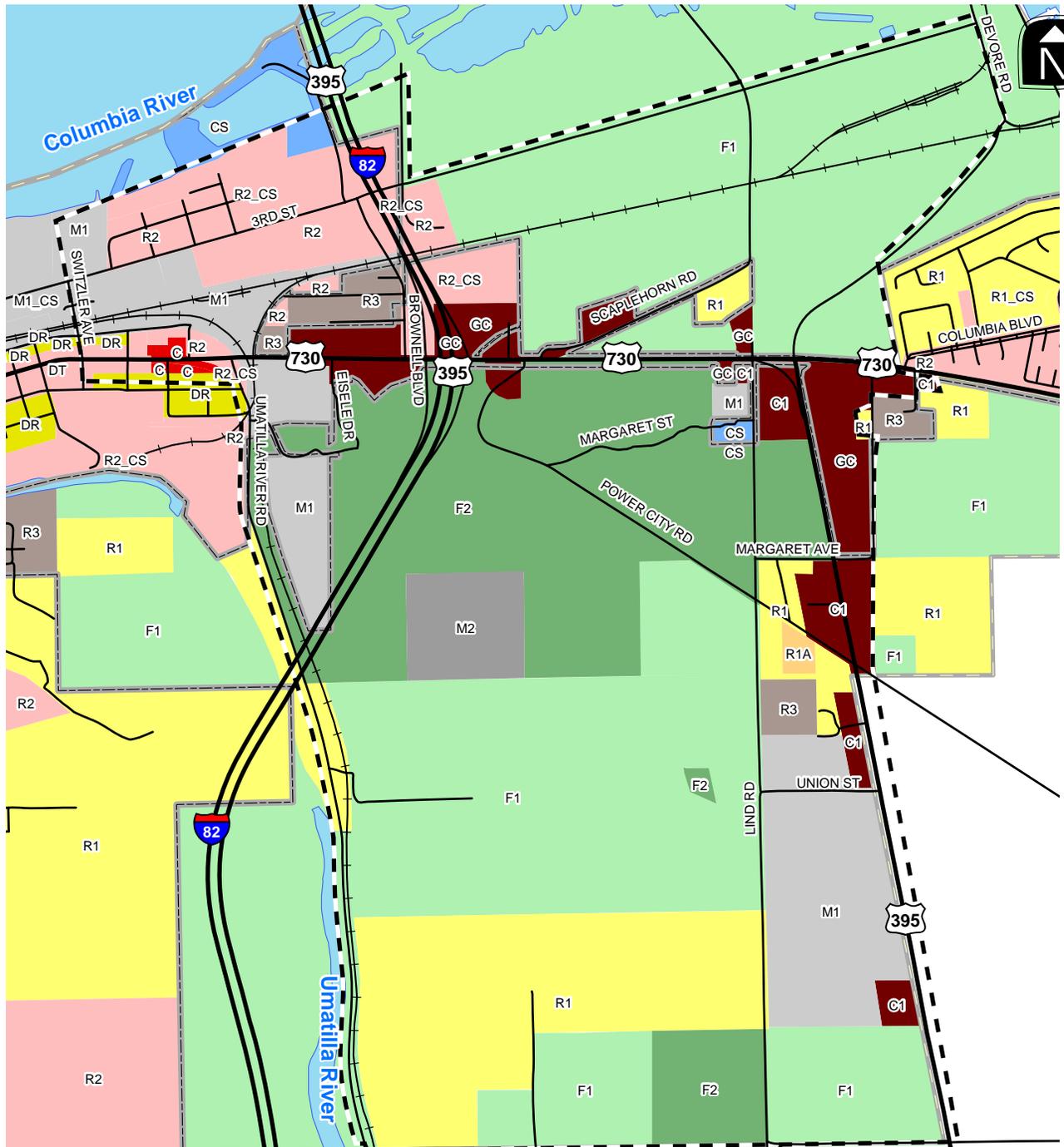
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**LEGEND**

-  Interchange Management Study Area
-  Umatilla UGB

**LAND USE SUB-AREAS  
UMATILLA, OREGON**

**FIGURE  
5-1**



**LEGEND**

- Land Use Study Area
- Umatilla UGB
- Umatilla City Limits
- Zone**
- Commercial (C)
- Community Service (CS)
- Downtown Residential (DR)
- Downtown Transitional (DT)
- Exclusive Farm Use (F1)
- General Commercial (C1, GC)
- General Rural (F2)
- Heavy Industrial (M2)
- Light Industrial (M1)
- Residential, Multi-Family - Apartments (R3)
- Residential, Multi-Family (R2)
- Single Family Residential (R1)
- Two Acre Residential (R1A)

**STUDY AREA ZONING  
UMATILLA, OREGON**

**FIGURE  
5-2**

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#### Sub-Area "B"

Sub-Area "B" is located in the southwest corner of the IMSA and is bordered by I-82 to the east, US 730 to the north, and Umatilla River Road to the south and west. With the exception of City zoned GC and M-1 land along the US 730 and Umatilla River Road corridors, the majority of the remaining land in Sub-Area "B" is Umatilla County zoned F-2 (General Rural).

#### Sub-Area "C"

Sub-Area "C" is located in the northeast corner of the IMSA and is bordered by US 730 to the south, I-82 to the west, the Columbia River to the north, and the McNary residential area to the east. The vast majority of Sub-Area "C" is comprised of Umatilla County zoned F-1 (Exclusive Farm Use) land. Some smaller pockets of City zoned R-1 (Single-Family Residential), R-2, and GC land exists along the US 730 corridor and along Scaplehorn Road.

#### Sub-Area "D"

Sub-Area "D" is located in the southeast corner of the IMSA and is bordered by US 730 to the north, I-82 to the west, US 395 to the east, and Union Street to the south. Almost all of the land within Sub-Area "D" is outside the Umatilla City limits and is zoned primarily under the Umatilla County F-1, M-1, M-2, and C-1 (Commercial) zones.

#### Sub-Area "E"

Sub-Area "E" is located in the southeast quadrant of the US 730/US 395 intersection. Known locally as Buck's Corner, all of the land within this Sub-Area is located in the Umatilla City limits and is zoned GC.

#### Sub-Area "F"

Sub-Area "F" is located directly south of Sub-Area "D" and is bordered on the west by Umatilla River Road, on the south by Bensel Road, and on the east by US 395. Much of this land is Umatilla County zoned F-1 and F-2 and is not likely to develop or redevelop within the timeframe of this study. Therefore no additional development or redevelopment was examined in this sub-area.

## **FUTURE TRAFFIC CONDITIONS**

Based on the potential levels of development and redevelopment in the land use sub-areas described above, and factoring in regional growth from outside the IMSA, future year 2030 traffic conditions were estimated along the study area roadways.

### ***Year 2030 No-Build Traffic Volumes Forecast Methodology***

Year 2030 "No-Build" traffic volume forecasts for intersection turning movements and street segments were developed in order to analyze the effects of traffic growth on the I-82 / US 730 interchange and the surrounding transportation system. The year 2030 No-Build scenario was developed based on the currently adopted City of Umatilla and Umatilla County comprehensive

plans. The remainder of this section describes the methodology and assumptions used to develop year 2030 forecasts.

Future year 2030 no-build traffic volumes were developed by considering the following traffic growth through year 2030:

- Future traffic growth related to development and redevelopment of land in the vicinity of the I-82/US 730 Interchange (including sub-areas "A" through "E").
- Future traffic related to regional growth within the larger context of the City of Umatilla, Umatilla County, and along the US 730, US 395, and I-82 corridors.

The specific assumptions used in each of these traffic growth components are summarized below.

#### Development and Redevelopment Traffic

Based on a detailed review of the study area and conversations with City staff, Table 5-1 identifies the estimated re-developable acreage in each sub-area, its corresponding zoning, and the primary points of access to the regional transportation network.

**TABLE 5-1 FUTURE CONDITIONS SUB-AREA ANALYSIS ZONES**

| Sub-area | Zoning Classifications | Estimated Re-Developable Land (Acres) | Non-Buildable (Acres) | Net Total Re-Developable Land (Acres) | Primary Access                                |
|----------|------------------------|---------------------------------------|-----------------------|---------------------------------------|---|
| A        | GC (City)              | 0 <sup>1</sup>                        | 0                     | 0                                     |   |
|          | R-2 (City)             | 31.00                                 | 0                     | 31.00                                 | Brownell Boulevard and 3 <sup>rd</sup> Street |
|          | M-1 (City)             | 25.63                                 | 12.15 <sup>3</sup>    | 13.48                                 | 3 <sup>rd</sup> Street                        |
|          | R-3 (County)           | 0 <sup>2</sup>                        | 0                     | 0                                     |   |
| B        | GC (City)              | 0 <sup>2</sup>                        | 0                     | 0                                     |   |
|          | M-1 (City)             | 0 <sup>2</sup>                        | 0                     | 0                                     |   |
|          | F-2 (County)           | 57.04                                 | 49.42 <sup>4</sup>    | 7.62                                  | Eisele Drive                                  |
| C        | GC (City)              | 15.10                                 | 9.00 <sup>2</sup>     | 6.10                                  | US 730 and Scaplehorn Road                    |
|          | R-2 (City)             | 13.09                                 | 10.90 <sup>5</sup>    | 2.19                                  | 3 <sup>rd</sup> Street                        |
|          | R-1 (City)             | 6.40                                  | 0                     | 6.40                                  | Scaplehorn Road                               |
|          | F-1 (County)           | 453.20                                | 453.20 <sup>2</sup>   | 0                                     |   |
| D        | F-1 (County)           | 34.30                                 | 0                     | 34.30                                 | Power City Road & Lind Road                   |
|          | F-2 (County)           | 175.50                                | 175.50 <sup>2,5</sup> | 0                                     |   |
|          | M-1 (County)           | 4.80                                  | 4.80 <sup>2</sup>     | 0                                     |   |
|          | M-2 (County)           | 35.70                                 | 35.70 <sup>6</sup>    | 0                                     | Power City Road & Margaret St                 |
|          | C-1 (County)           | 7.80                                  | 0                     | 7.80                                  | Lind Road                                     |
| E        | GC (City)              | 27.00                                 | 10.00 <sup>3</sup>    | 17.00                                 | US 730 and US 395                             |
| Total    |                        | 886.56                                | 760.67                | 125.89                                |   |

<sup>1</sup>This land is currently occupied by the Port of Entry  
<sup>2</sup>Land is currently built out or owned/occupied by an existing use that is likely to remain in the long-term  
<sup>3</sup>Portion of the land is likely constrained by geographic, environmental, or cultural resources  
<sup>4</sup>Future intensification of development likely inhibited due to lack of access across irrigation canal  
<sup>5</sup>Future development likely limited by presence of utility towers and power line easements  
<sup>6</sup>Future intensification of development likely inhibited due to lack of water infrastructure

As shown in Table 5-1, portions of sub-areas ‘A’, ‘C’, and ‘E’ have the greatest potential for development and each gain access to the I-82/US 730 interchange via direct or indirect connections to US 730. To account for local traffic growth attributed to the development in these sub-areas, the project team assumed future land uses based on current zoning and calculated the reasonable build-out trip-generating potential of the properties.

The reasonable build-out trip-generation potential of each parcel was estimated using a two-step approach. Step one included reducing the developable or re-developable area (summarized in Table 5-1) by 20 percent to account for utility and roadway right-of-way. Step two applied a Floor Area

Ratio (FAR) of 0.25 for commercial zones and 0.40 for industrial lands. Table 5-2 provides a summary of the development assumed to occur under this process.

**TABLE 5-2 I-82 / US 730 DEVELOPMENT ASSUMPTIONS**

| Land Use                      | Total Re-Developable Land (Acres) | Industrial or Commercial |                                      |      |                           | Residential       |  |
|-------------------------------|-----------------------------------|--------------------------|--------------------------------------|------|---------------------------|-------------------|--|
|                               |                                   | Utilities and ROW (20%)  | Net Re-developable Land Area (Acres) | FAR  | Size (1,000 Sq. Feet GLA) | Allowable Density | Units  |
| <i>Sub-Area "A"</i>           |                                   |                          |                                      |      |                           |                   |  |
| R-2 Multi-Family              | 31.00                             |                          |                                      |      |                           | 1                 | <b>31-acre Athletic Field Complex<sup>1</sup></b>    |
| M-1 Light Industrial          | 13.48                             | (2.70)                   | 10.78                                | 0.40 | <b>188</b>                |                   |  |
| <i>Sub-Area "B"</i>           |                                   |                          |                                      |      |                           |                   |  |
| F-2 (County General Rural)    | 7.62                              |                          |                                      |      |                           | 0.05 unit/acre    | <b>10,000 of Industrial Storage Yard<sup>2</sup></b> |
| <i>Sub-Area "C"</i>           |                                   |                          |                                      |      |                           |                   |  |
| GC General Commercial         | 6.10                              | (1.22)                   | 4.88                                 | 0.25 | <b>53</b>                 |                   |  |
| R-2 Multi-Family Residential  | 2.19                              |                          |                                      |      |                           | 12.4 units/acre   | <b>27 Apartments</b>                                 |
| R-1 Single Family Residential | 6.40                              |                          |                                      |      |                           | 5.4 units/acre    | <b>34 homes</b>                                      |
| <i>Sub-Area "D"</i>           |                                   |                          |                                      |      |                           |                   |  |
| F-1 Exclusive Farm use        | 34.30                             |                          |                                      |      |                           | 0.05 units/acre   | <b>2 homes</b>                                       |
| C-1 General Commercial        | 7.80                              | (1.56)                   | 6.24                                 | 0.25 | <b>68</b>                 |                   |  |
| <i>Sub-Area "E"</i>           |                                   |                          |                                      |      |                           |                   |  |
| GC General Commercial         | 17.00                             | (3.40)                   | 13.60                                | 0.25 | <b>148</b>                |                   |  |
| Total                         | 125.89                            | (8.88)                   | 35.50                                |      | <b>457</b>                |                   |  |

<sup>1</sup>Although zoned for multi-family residential, discussions with City staff concluded that this site is likely better suited for recreational athletic fields which is an allowed conditional use under the R-2 zoning.

<sup>2</sup>Given the location of the F-2 zoned land near the US 730 corridor, it was assumed that the site is less desirable for residential uses and more appropriate for a higher intensive use such as an industrial storage yard.

Based on the information contained in Table 5-2, the trip generation potential for each of the land uses was calculated for the weekday p.m. peak hour using the 8<sup>th</sup> Edition of *Trip Generation*, published by the Institute of Transportation Engineers (ITE, Reference 5). The total trip generation

potential of the land use scenario shown above was estimated to be 832 total net new trip ends (371 incoming and 461 outgoing) during the weekday p.m. peak hour. The Technical Appendix contains the estimates of net new trips generated by each sub-area. The assumed distribution patterns of trips generated within each sub-area were based on the existing zoning, existing travel patterns, and relative attractions within the overall study area.

Background Traffic Growth

Proposed annual growth rates were determined for the various roadways within the study area. The proposed annual growth rates were determined based on a review of ODOT’s Future Year Volume Tables, historical ADT counts, and future development assumptions within the study area. The growth was applied to the existing traffic volumes shown in the *Existing Transportation/Land Use Conditions* section to obtain future year forecast volumes.

US 730 & US 395

An annual Local Growth rate was applied to the existing through volumes along US 730, all turning movements at the I-82 ramp terminals, and turning movements to/from US 395. Based on a review of ODOT’s Future Volume Tables (which are based on historic traffic volumes), a Local Growth rate was estimated for the I-82/US 730 IMSA based on three data point locations along the US 730 corridor as shown in Table 5-3. Upon reviewing the data points, the project team and ODOT staff concluded that an annual growth rate of 1.3% was the most reasonable and conservative estimate for the study corridor given the degree of variation in the other two data points. Therefore, through traffic volumes on US 730 from 2009 were increased by 27% to the forecast year 2030.

**TABLE 5-3 BACKGROUND GROWTH RATE CALCULATIONS ON US 730**

| Mile Point | Location                 | Average Annual Daily Traffic |        | R-Squared Value | Per Year Growth Rate (2008-2028) <sup>1</sup> |
|------------|--------------------------|------------------------------|--------|-----------------|---|
|            |                          | 2008                         | 2028   |                 |   |
| 183.63     | 0.50 mile west of I-82   | 8,300                        | 9,600  | 0.58            | 0.8%  |
| 184.63     | 0.50 mile east of I-82   | 10,100                       | 12,800 | 0.76            | 1.3%  |
| 184.97     | 0.10 mile east of US 395 | 7,700                        | 10,100 | 0.89            | 1.6%  |

<sup>1</sup> Per Year Growth Rate = [(2028 AADT- 2008 AADT) / (2008 AADT)] / (2028 - 2008)

I-82

The I-82 Traffic Growth rate will be applied to the existing through traffic volumes to forecast future traffic projections for I-82. A review of Traffic Volume Tables on I-82 north and south of the I-82 / US 730 interchange indicates that the interstate traffic volume have been increasing over the past 10 years. Based on a review of ODOT’s Future Volume Tables (which are based on historic traffic volumes), a background growth rate was estimated for I-82 near the US 730 interchange. Two data points on I-82 were used in the calculation, one on each side of the interchange. To determine a

growth rate estimate, volumes for the year 2008 were compared with ODOT’s 2028 estimates. Table 5-4 illustrates the estimated growth rates.

**TABLE 5-4 BACKGROUND GROWTH RATE CALCULATIONS ON I-82**

| Mile Point     | Location  | Average Annual Daily Traffic |        | R-Squared Value | Per Year Growth Rate (2008-2028) <sup>1</sup> |
|----------------|---|------------------------------|--------|-----------------|---|
|                |   | 2008                         | 2028   |                 |   |
| 0.58           | Umatilla Bridge ATR 0.58 mile south of Oregon-Washington State line | 16,400                       | 18,700 | 0.96            | 0.7%  |
| 1.30           | 0.30 mile south of US 730   | 10,400                       | 12,400 | 0.90            | 1.0%  |
| <b>Average</b> |   |                              |        |                 | <b>0.85%</b>                                  |

<sup>1</sup> Per Year Growth Rate = [(2028 AADT- 2008 AADT) / (2008 AADT)] / (2028 - 2008)

The R-Squared Value indicates the degree of correlation between the dependent variable (historical traffic volume) and the independent variable (time). ODOT’s Analysis Procedures Manual (Reference 3) states that values over 0.75 are preferred, which indicates that the chosen locations are acceptable for this analysis. As shown in Table 5-4, a 0.85% annual growth rate was identified for background traffic volumes on I-82 in the vicinity of the US 730 Interchange. Therefore, through traffic volumes on I-82 from 2009 will be increased by 18% to the forecast year 2030.

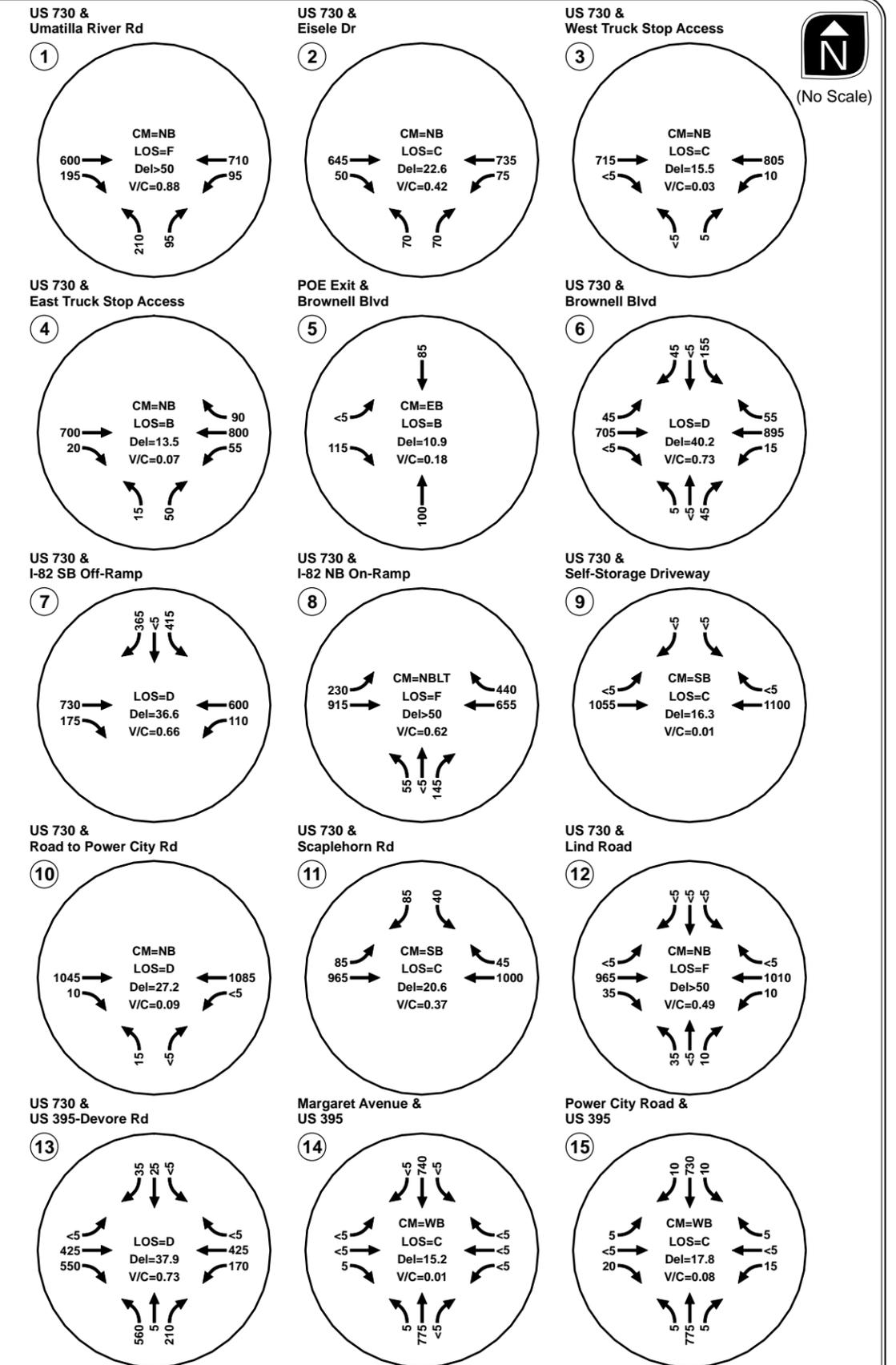
**Planned Transportation Improvements**

In general, there are no transportation improvements inside the IMSA that are identified in ODOT’s Statewide Transportation Improvement Plan (STIP) or Umatilla County’s Transportation System Plan. However, the City of Umatilla’s Transportation System Plan has identified the need for signalization of the US 730/Umatilla River Road intersection when warranted by traffic volumes. There are currently no plans to install a traffic signal at this location in the near future.

**Year 2030 No-Build Traffic Conditions**

Future year 2030 No-Build weekday p.m. peak hour traffic volumes were determined for each future scenario by applying growth rates and trip generation estimates to the existing traffic network. The resulting year 2030 No-Build weekday p.m. peak hour traffic volumes for are shown in Figure 5-3.

All operational analyses were performed in accordance with the procedures stated in the 2000 *Highway Capacity Manual* (Reference 4). The OHP (Reference 1) sets operational standards based on volume-to-capacity (v/c) ratios for the interchange ramp terminals (v/c of 0.80 for the northbound ramp terminal and 0.85 for the southbound ramp terminal), intersections of US 730 (v/c of 0.85 between Brownell Boulevard and Sloan Avenue and v/c of 0.70 east of I-82), and US 395 (v/c of 0.70). These standards apply to the overall v/c ratio at signalized intersections and to the state highway approaches at unsignalized intersections. The minor street



**LEGEND**

15,000 = APPROXIMATE ADT VOLUME

CM = CRITICAL MOVEMENT (UNSIGNALIZED)

LOS = INTERSECTION LEVEL OF SERVICE (SIGNALIZED)/CRITICAL MOVEMENT LEVEL OF SERVICE (UNSIGNALIZED)

Del = INTERSECTION AVERAGE CONTROL DELAY (SIGNALIZED)/CRITICAL MOVEMENT CONTROL DELAY (UNSIGNALIZED)

V/C = CRITICAL VOLUME-TO-CAPACITY RATIO

YEAR 2030 TRAFFIC CONDITIONS  
30TH HIGHEST HOUR  
UMATILLA, OREGON

FIGURE 5-3

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approaches that are stop-controlled at unsignalized intersections have a standard of a v/c ratio of 0.90.

Traffic operations analyses were performed for the study intersections using the forecast year 2030 “No-Build” weekday p.m. peak hour traffic volumes as shown in Figure 5-3. Table 5-5 below summarizes the deficiencies projected. The Technical Appendix contains the detailed analysis worksheets.

**TABLE 5-5 FORECAST DEFICIENCIES**

| <b>Intersection</b>      | <b>Fails to Meet Applicable OHP Standard<sup>1</sup></b> | <b>Meets Standard, but Lengthy Delays<sup>2</sup></b> |
|--------------------------|--|---|
| US 730/Umatilla River Rd |  | X   |
| US 730/Brownell Blvd     |  | X   |
| US 730/I-82 SB Ramps     |  | X   |
| US 730/I-82 NB Ramps     |  | X   |
| US 730/Lind Rd           |  | X   |
| US 730/US 395-Devore Rd  | X  |   |

<sup>1</sup> Source: 1999 Oregon Highway Plan including Amendments November 1999 through January 2006 - Table 6 (Maximum Volume to Capacity Ratios Outside Metro) as amended August 2005, OHP Amendment 05-16

<sup>2</sup>Level-of-service “D” or worse for signalized intersection and LOS “E” or worse for unsignalized intersection.

As Table 5-5 shows, the US 730/US 395-Devore Road intersection is forecast to operate over the applicable OHP mobility standard. The left-turn from the I-82 Northbound ramp terminal onto US 730 is forecast to operate with lengthy delays (LOS “F”). However, the OHP mobility standard is based on v/c ratio and this movement is forecast to have an acceptable v/c ratio.

It is important to note that these results examine the intersections in isolation. Issues related to queue spillback and signal coordination between the closely spaced signalized I-82 Southbound ramp terminals and Brownell Boulevard intersections were discussed in the *Existing Transportation/Land Use Conditions* section. These problems that exist today will be exacerbated by the increasing traffic volumes at these intersections if no improvements are made.

**Section 6**  
Concept Development  
and Analysis

## Concept Development and Analysis

This section documents the development and evaluation of the local circulation and access concepts for the IAMP. Twelve unique concepts, plus five variations on certain concepts, were developed and taken through a thorough screening process that included input from Technical Advisory Committee (TAC), Public Advisory Committee (PAC), local property and business owners, and the public at-large. Based on results of the initial screening, a refined analysis was conducted that resulted in the identification of the preferred transportation improvement plan. The following subsections document the concepts that were evaluated and the results of the screening process.



### CONCEPT DEVELOPMENT PROCESS

The development of the initial concepts for the I-82/US 730 Interchange began with three separate design workshops. The first two workshops were held for members of the TAC and PAC committees, while the third workshop was held for interested citizens, business owners, and landowners in a public open house setting. All three workshops were held on April 21, 2010.

Within each workshop, participants were presented with an overview of the existing and future traffic demand within the Interchange Management Study Area (IMSA), the identified operational and safety deficiencies, and the applicable interchange design forms and basic design parameters. Following these presentation overviews, participants were asked to sketch their ideas for improving circulation at the interchange and within the IMSA.

After the completion of the TAC, PAC, and public workshops, the project team took all of the individual design ideas and grouped them into various interchange forms. Each group was further sorted into common and unique interchange form and local circulation concepts. Based on this process, the project team made some technical refinements to the interchange form and local circulation concepts to ensure basic design parameters and principles were being met.

Following the initial design workshops, additional variations to concepts were developed beyond the original designs. These concepts were based on feedback from members of the TAC and PAC, local property and business owners, the general public, and City Council. The additions included:

- Concept 8b was further refined to create Concepts 8c, 8d, and 8e in order to provide access to the relocated POE in such a manner that would meet Federal guidelines and provide the POE staff with the ability to monitor trucks bypassing the POE;
- Concept 3 was refined to allow for the potential relocation of the POE as a second phase; and

- Concept 13 was developed to provide an option where the POE is relocated further south on the I-82 corridor.

The concepts listed above were developed by members of the TAC and PAC, the general public, and the project team.

## CONCEPT SUMMARIES

Each of the concepts developed for the I-82/US 730 Interchange and their key design components are described below. Improvements to the east side of the interchange and to the sidewalk network along US 730 are essentially the same between all concepts and are described in greater detail in Section 7. Detailed double-line drawings of concepts that passed the initial screening and moved forward for more detailed analysis can be found later in this section. Single-line illustrations of the other concepts can be found in the Technical Appendix.

### **Concept #1a:**

This concept would involve the following changes/improvements:

- The existing southbound off-ramp would be modified to accommodate trucks entering the POE. This would involve disconnecting the off-ramp from US 730 and keeping it elevated to cross over Brownell Boulevard before touching down in the POE near the existing weigh scales. The internal POE circulation system and weigh scales would need to be modified as a result.
- A new southbound exiting loop ramp and on-ramp would be constructed in the southwest quadrant of the intersection.
- Brownell Boulevard would be disconnected from US 730 and rerouted along the Locus Street corridor, travel under US 730 via a widened underpass (currently utilized by the adjacent rail line), and routed along a new roadway that would connect to Eisele Drive on the south side of US 730.
- A new north-south roadway would be constructed along the east side of I-82 to provide better north-south connectivity between US 730 and 3rd Street.
- A new backage road accessed via Eisele Drive would be constructed to provide access and circulation for properties along the south side of US 730.

### **Concept #1b:**

This concept would involve the following changes/improvements:

- The existing southbound off-ramp would be modified to accommodate trucks entering the POE. This would involve disconnecting the off-ramp from US 730 and keeping it elevated to cross over Brownell Boulevard before touching down in the POE near the existing weigh scales. The internal POE circulation system and weigh scales would need to be modified as a result.

- Trucks leaving the POE would continue to access Brownell Boulevard via the current method.
- A new southbound exiting loop ramp and on-ramp would be constructed in the southwest quadrant of the intersection.
- A new north-south roadway would be constructed along the east side of I-82 to provide better north-south connectivity between US 730 and 3rd Street.
- A new backage road accessed via Eisele Drive would be constructed to provide access and circulation for properties along the south side of US 730.

### **Concept #2**

This concept would involve the following changes/improvements:

- A new on-ramp to I-82 southbound would be constructed for trucks exiting the POE. This on-ramp would be elevated coming out of the POE in order to clear the existing southbound off-ramp and connect to I-82.
- The existing southbound on-ramp would be lengthened in order to provide the necessary separation from the new southbound POE on-ramp.
- Brownell would be disconnected from US 730 and gain access via 3rd Street to US 730 both east and west of I-82.
- A new north-south roadway would be constructed along the east side of I-82 to provide better north-south connectivity between US 730 and 3rd Street.
- A new backage road accessed via Eisele Drive would be constructed to provide access and circulation for properties along the south side of US 730.

### **Concept #3**

This concept would involve the following changes/improvements:

- The existing southbound off-ramp would be closed.
- A new exiting loop ramp and on-ramp would be constructed in the southwest quadrant of the intersection.
- Brownell Boulevard would be realigned to the east to connect to US 730 in the approximate location of the existing southbound ramp terminal. As part of this, the existing Brownell Boulevard intersection with US 730 would be closed.
- A new exiting roadway would be provided from the POE to the realigned Brownell Boulevard.
- A new backage road accessed via Eisele Drive would be constructed to provide access and circulation for properties along the south side of US 730.

### **Concept #3 with Potential POE Relocation**

This is a variation of the original Concept 3 to allow for the potential future relocation of the POE south of the interchange. To accommodate a relocated POE at some point in the future, the original Concept 3 would need to be modified as follows:

- A new southbound exit ramp would need to be constructed further north along I-82 just south of the 3<sup>rd</sup> Street overpass.
- This exit ramp would parallel I-82 (requiring a separate railroad overpass structure) where it would then split, providing access to the exiting loop ramp (depicted in Concept 3) and access to a separate POE access road.
- To accommodate the exit ramp split, the location of the exiting loop ramp would need to be shifted further to the west where it would likely have more substantial impacts to the Crossroads restaurant parking lot.
- The I-82 southbound on-ramp depicted in Concept 3 would need to be relocated further to the west in order to accommodate the future POE. The relocated ramp would need a separate bridge structure over the Umatilla River.
- The Eisele Drive extension as a back-door out of the relocated POE would need to be grade separated (under or over) from the I-82 southbound on-ramp. Due to the anticipated flat grade, grade separation may be difficult to accomplish.
- The I-82 southbound exit out of the relocated POE would require a widening of the existing Umatilla River bridge.

### **Concept #4**

This concept would involve the following changes/improvements:

- A new driveway for exiting POE trucks would be constructed along the western side. This new exiting roadway would travel under US 730 via a widened underpass (currently utilized by the adjacent rail line), and routed along a new roadway that would connect to Eisele Drive south of US 730.
- The existing traffic signal at the Brownell Boulevard/US 730 intersection would be removed and Brownell Boulevard would be restricted to right-in/right-out movements.
- A new backage road accessed via Eisele Drive would be constructed to provide access and circulation for properties along the south side of US 730.

### **Concept #5**

This concept would involve the following changes/improvements:

- Brownell Boulevard would be disconnected from US 730 and gain access via 3<sup>rd</sup> Street to US 730 both east and west of I-82.

- A new on-ramp to I-82 southbound would be constructed for trucks exiting the POE. This on-ramp would begin at the POE and travel under US 730 and parallel the existing southbound on-ramp before merging onto I-82.
- A new north-south roadway would be constructed along the east side of I-82 to provide better north-south connectivity between US 730 and 3rd Street.
- A new backage road accessed via Eisele Drive would be constructed to provide access and circulation for properties along the south side of US 730.

### **Concept #6**

This concept would involve the following changes/improvements:

- A single point diamond interchange would be constructed at the existing I/82/US 730 interchange.
- A new backage road accessed via Eisele Drive would be constructed to provide access and circulation for properties along the south side of US 730.

### **Concept #7**

This concept would involve the following changes/improvements:

- A new exiting loop ramp and on-ramp would be constructed in the southwest quadrant of the intersection with a connection to US 730 at the existing Eisele Drive intersection.
- Brownell Boulevard would be disconnected from US 730 and gain access via 3rd Street to US 730 both east and west of I-82.
- The existing southbound off-ramp would be modified for POE entry traffic. Rather than exit onto US 730, a new alignment would be constructed that would access the POE at the approximate location of the existing POE exiting driveway. This would be accompanied by an internal modification to the POE.
- A new backage road accessed via Eisele Drive would be constructed to provide access and circulation for properties along the south side of US 730.

### **Concept #8a**

This concept would involve the following changes/improvements:

- The POE would be relocated to the southwest quadrant of the interchange south of the irrigation canal.
- A new extension and widening of Eisele Drive would provide access to the relocated POE from US 730.
- The existing Brownell Boulevard intersection with US 730 would be closed.
- A new roadway would be constructed through the old POE site and connect Brownell Boulevard to the US 730/Eisele Drive intersection.

- A new backage road accessed via Eisele Drive would be constructed to provide access and circulation for properties along the south side of US 730.

### **Concept #8b**

This concept would involve the following changes/improvements:

- The POE would be relocated to the southwest quadrant of the interchange south of the irrigation canal.
- A new extension and widening of Eisele Drive would provide access to the relocated POE from US 730.
- A new truck entrance to the relocated POE would be constructed off of the existing southbound on-ramp. For trucks exiting the POE, a new southbound on-ramp would be constructed to I-82.
- The existing Brownell Boulevard intersection with US 730 would be closed.
- A new roadway would be constructed through the old POE site and connect to Brownell Boulevard to the US 730/Eisele Drive intersection.
- A new backage road accessed via Eisele Drive would be constructed to provide access and circulation for properties along the south side of US 730.

### **Concept #8c**

This concept is essentially the same as Concept 8b, with the difference being that Concept 8c eliminates inbound access to the POE from US 730.

### **Concept #8d**

Like Concept 8c, Concept 8d relocates the POE south of US 730, Brownell Boulevard is realigned to intersect US 730 across from Eisele Drive, and Eisele Drive extended south to the relocated POE to accommodate egress movements. However, Concept 8d includes a direct access ramp from I-82 Southbound to the relocated POE. As this connection would need to work within the configuration of the existing interchange, it would likely need a new overpass structure over US 730 and then another overpass structure over the existing I-82 Southbound on-ramp.

### **Concept #8e**

Concept 8e builds upon Concept 8d by including a secondary connection to the POE from the existing I-82 southbound on-ramp.

### **Concept #9**

This concept would involve the following changes/improvements:

- A new truck only slip lane would be constructed off of the existing southbound off-ramp forming a separate westbound travel lane on US 730. This new westbound travel lane would cross Brownell Boulevard and feed into the POE.
- A new exiting loop ramp on on-ramp would be constructed in the southwest quadrant of the intersection with a new ramp terminal constructed at the existing Brownell Boulevard intersection with US 730.
- A new backage road accessed via Eisele Drive would be constructed to provide access and circulation for properties along the south side of US 730.

### **Concept #10**

This concept would involve the following changes/improvements:

- A new southbound off-ramp would be constructed for POE traffic. This off-ramp would be elevated over Brownell Boulevard and the adjacent railroad tracks and touch down along the west side of the adjacent residential neighborhood and POE.
- Internal circulation within the POE would be modified to accommodate the new off-ramp and a new exiting driveway that would be routed along the Cherry Street corridor.
- A new backage road accessed via Eisele Drive would be constructed to provide access and circulation for properties along the south side of US 730.

### **Concept #11**

This concept would involve the following changes/improvements:

- A new split diamond interchange would be constructed along I-82 with a new northbound off-ramp and southbound on-ramp being located approximately 1,600 feet south of US 730.
- The new ramp terminal would connect to US 730 via an extension of Eisele Drive.
- Internal circulation within the POE would be modified to accommodate a new entering and exiting driveway to US 730 across from the existing Eisele Drive intersection.
- At the Eisele Drive/US 730 intersection, a roundabout would be constructed to facilitate traffic along Eisele Drive and the POE driveway.
- The Brownell Boulevard intersection would be limited to right-in/right-out movements.
- A new backage road accessed via Eisele Drive would be constructed to provide access and circulation for properties along the south side of US 730.

### **Concept #12**

This concept would involve the following changes/improvements:

- A double roundabout would be constructed at the southbound ramp terminal and Brownell Boulevard intersection with US 730.

- A new backage road accessed via Eisele Drive would be constructed to provide access and circulation for properties along the south side of US 730.

### **Concept #13**

This concept would involve the following changes/improvements:

- The POE would be relocated to the I-82 corridor and a permanent weigh station on US 730 (location to be determined via a separate study) and a temporary truck scale on US 395 (location to be determined via a separate study) would be constructed.
- A new backage road accessed via Eisele Drive would be constructed to provide access and circulation for properties along the south side of US 730.
- The existing Brownell Boulevard intersection with US 730 would be closed.
- A new roadway would be constructed through the old POE site and connect to Brownell Boulevard to the US 730/Eisele Drive intersection

## **CONCEPT SCREENING**

In order to arrive at the preferred transportation improvement plan, the concepts went through three levels of screening. The first level was a high-level screening to determine if any of the concepts did not meet the basic purpose of the project. After this, a second level was applied to the concepts involving a qualitative assessment of each concept based on the project's adopted evaluation criteria. Following this screening, the remaining concepts were examined quantitatively to determine the final preferred concepts.

The following section provides detailed explanation of this screening process and identifies which concept was selected by the TAC and PAC as the preferred transportation improvement plan. The Technical Appendix contains more details about the screening process.

### ***Preliminary Purpose and Problem Statement Screening***

The project team first performed a preliminary assessment to determine if any of the concepts were not meeting the basic intent of the project purpose and problem statement. The official Purpose and Problem Statement, as approved by the TAC and PAC is outlined below:

#### ***Purpose of the Project:***

*The IAMP is a strategic transportation plan that is designed to protect the long-term function of the Interstate 82 (I-82) / US 730 interchange by preserving the capacity of the interchange while providing safe and efficient operations between connecting roadways. The IAMP will identify land use management strategies, short-term and long-term transportation improvements, access management goals, and strategies to fund identified improvements.*

#### ***Problem Statement:***

*The signalized intersections of Brownell Boulevard/US 730 and the southbound I-82/US 730 terminal are located within close proximity of one another resulting in undesirable operations. The signals have been coordinated in an effort to improve intersection operations. Nevertheless, queuing problems associated with truck traffic accessing the Umatilla Port of Entry weigh station continue to occur at the two intersections. This condition varies by season due to increase of trucks during mid-summer and fall harvests.*

*The Port of Entry (POE) is located on the northwest corner of Brownell Boulevard/US 730 intersection which coincides with the northwest quadrant of the I-82/US 730 interchange. A truck stop, restaurant, fueling station and other commercial development is located in the southwest quadrant. East of the interchange is primarily vacant land within the City of Umatilla Urban Growth Area. This land is zoned exclusive farm use, tourism commercial or public facilities. The City is interested in the economic development potential of this area and would like to develop a local street network plan that supports the safe and efficient operation of the interchange and the US 730/US 395 intersection located within the interchange influence area.*

Based on the project's purpose, it was generally concluded that all of the interchange concepts met the meet the basic intent of the project purpose and problem statement.

### ***Basic Qualitative Concept Screening***

After the initial Purpose and Problem Statement screening, a basic qualitative screening of the concepts was conducted. To assist in the evaluation process, the adopted evaluation criteria was reviewed and a screening level evaluation process by which each of the interchange form and local circulation concepts could be evaluated at a high level qualitative perspective was developed. As a part of this process, it was recognized that at this particular level of evaluation, certain evaluation criteria could not be applied to each concept because the criterion was determined to be too specific, required a higher level of detailed information, or was a non-differentiating factor. In these instances, a screening level evaluation was not applied to the concepts. The following outline lists the five screening level categories and the selected evaluation criteria within each category that were investigated as part of this process.

#### **Category #1 – Transportation**

*Evaluation Criteria – Addresses the existing operational performance issues created by the close spacing between Brownell Boulevard and the southbound ramp terminal*

*Evaluation Criteria – Improves non-vehicular east-west travel through the interchange*

#### **Category #2 – Land Use**

*Evaluation Criteria – Level of right-of-way (ROW) impacts*

*Evaluation Criteria – Supports businesses and future economic development*

#### **Category #3 – Cost/Implementation**

*Evaluation Criteria – Level of construction costs*

*Evaluation Criteria – Construction feasibility*

**Category #4 – Environmental/Livability**

*Evaluation Criteria – Level of environmental impacts*

*Evaluation Criteria – Livability impacts*

**Category #5 – Accessibility**

*Evaluation Criteria – Meets or moves in the direction of the access spacing standards*

*Evaluation Criteria – Supports the development of a complimentary local circulation network that minimizes local travel demand through the interchange and maintains or improves access to the marina.*

Based on the criteria outlined above, an evaluation matrix for each concept was created. These matrices are contained within the Technical Appendix. A summary of the qualitative screening process is provided in Table 6-1 below. (Note: In general, a + indicates the interchange concept is positively meeting the basic parameters of the evaluation criterion, a - indicates the interchange concept is not meeting the basic parameters of the evaluation criteria, and a 0 indicates the interchange concept is neither positively nor negatively meeting the basic intent of the evaluation criterion. See the Technical Appendix for more detailed information about the scoring criteria).

**TABLE 6-1 SUMMARY OF QUALITATIVE SCREENING PROCESS**

| Evaluation Criteria      | Concept |     |    |     |    |    |    |    |     |       |    |     |     |     |     |
|--------------------------|---------|-----|----|-----|----|----|----|----|-----|-------|----|-----|-----|-----|-----|
|                          | #1a     | #1b | #2 | #3  | #4 | #5 | #6 | #7 | #8a | #8b-e | #9 | #10 | #11 | #12 | #13 |
| Operations               | +       | +   | +  | +   | +  | +  | -  | +  | +   | +     | +  | -   | +   | -   | +   |
| Non-Vehicular Travel     | +       | +   | 0  | 0/+ | 0  | 0  | 0  | +  | +   | +     | +  | +   | +   | -   | +   |
| ROW Impacts              | -       | -   | +  | 0/- | -  | +  | +  | -  | -   | -     | 0  | -   | -   | 0   | 0   |
| Cost                     | -       | -   | -  | -   | -  | -  | -  | -  | -   | -     | -  | -   | -   | 0   | -   |
| Construction Feasibility | -       | -   | -  | -   | -  | -  | -  | -  | -   | -     | -  | -   | -   | +   | +   |
| Environmental Impacts    | 0       | 0   | +  | +   | +  | -  | +  | 0  | 0   | 0     | 0  | +   | 0   | +   | +   |
| Livability Impacts       | -       | +   | +  | +   | +  | +  | +  | -  | +   | +     | +  | -   | -   | +   | +   |
| Access Spacing           | 0       | 0   | +  | +   | +  | +  | -  | 0  | +   | +     | 0  | -   | +   | -   | +   |
| Local Circulation        | +       | +   | -  | +   | -  | -  | +  | -  | +   | +     | +  | +   | +   | +   | +   |

Based on this qualitative screening process, a number of concepts were eliminated from consideration. A summary of these findings is provided below.

---

### Concepts with Significant Constructability Challenges or Fatal Flaws

Through the evaluation process, the following concepts have been deemed to have significant constructability challenges or fatal operational flaws. As such, these concepts were not recommended for further evaluation.

- Concept #1a and #4 would require a US 730 underpass widening adjacent to the railroad. A preliminary assessment from ODOT indicates that it may not be feasible to make this connection due to the way the bridge is constructed. Access to/from Brownell Boulevard is also limited.
- Concept #2 would have a constructability challenge associated with ramp length and grades needed to develop the direct-connect access ramp to I-82 southbound. This concept also cuts off Brownell Boulevard from US 730.
- Concept #5 can not be realistically constructed as the underpass associated with the POE exit road would conflict with the Brownell irrigation ditch. This concept also cuts off Brownell Boulevard from US 730.
- Concepts #6, #10, and #12 are operationally challenged, have some significant physical constraints, and don't address the intersection spacing issues between Brownell Boulevard and the southbound ramp terminal.

### Concepts with Cost, Policy, and Right-of-Way Constraints

Through the evaluation process, the following concepts have been deemed to have significant cost, policy, and right-of-way constraints. As such, these concepts were not recommended for further evaluation.

- The freeway exit ramp serving the POE in Concept #1b would necessitate a complete reconstruction of the POE that may not be possible given the need to accommodate acceptable ramp grades and truck queuing lanes.
- Concept #7 would require a complete widening of the Umatilla River overpass while other loop ramp concepts would only require a partial widening. This coupled with the need for a new US 730 overpass bridge, a railroad overpass bridge widening, and POE reconfiguration would be a costly concept with minimal operational and access management benefits.
- Concept #8a would funnel a large amount of truck and vehicular traffic through US 730/Eisele Drive intersection, necessitating a large widening to this intersection.
- Concept #11 would be the most expensive concept with the split diamond and the need to widen to both sides of the Umatilla River overpass.

Based on these findings and feedback from the PAC and TAC, Concepts 3, 8b/c/d/e, 9, and 11 were moved forward for detailed evaluation. These concepts are shown in Figures 6-1 through 6-10.



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I-82/US 730 INTERCHANGE AREA  
 MANAGEMENT PLAN  
 CONCEPT 3

FIGURE  
 6-1

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I-82/US 730 INTERCHANGE AREA  
MANAGEMENT PLAN  
CONCEPT 8b

FIGURE  
6-3

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I-82/US 730 INTERCHANGE AREA  
MANAGEMENT PLAN  
CONCEPT 8c

FIGURE  
6-4

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I-82/US 730 INTERCHANGE AREA  
MANAGEMENT PLAN  
CONCEPT 8d

FIGURE  
6-5

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**I-82/US 730 INTERCHANGE AREA  
MANAGEMENT PLAN  
CONCEPT 8e**

**FIGURE  
6-6**



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**I-82/US 730 INTERCHANGE AREA  
MANAGEMENT PLAN  
CONCEPT 9**

**FIGURE  
6-7**



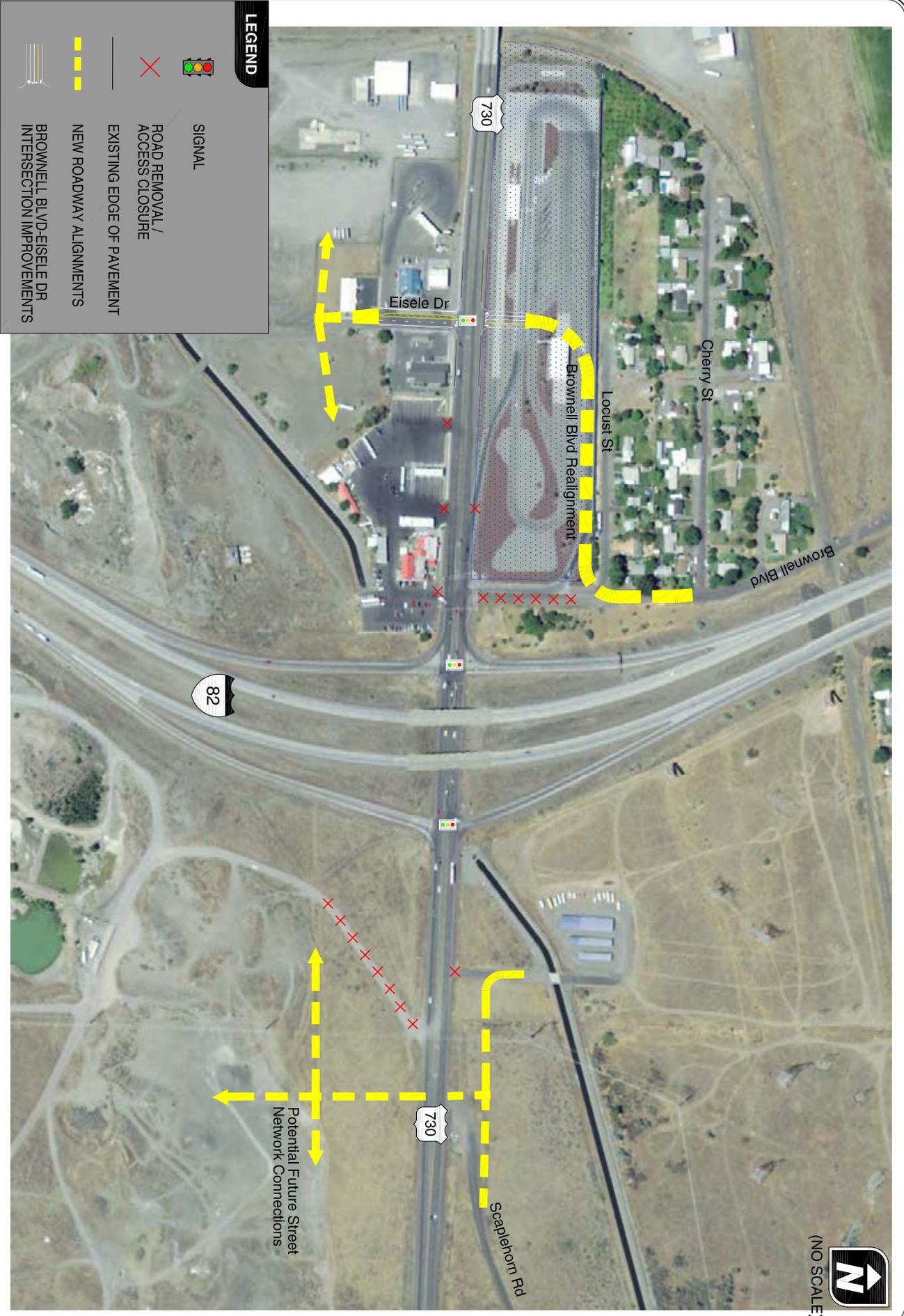
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I-82/US 730 INTERCHANGE AREA  
MANAGEMENT PLAN  
CONCEPT 11

FIGURE  
6-8

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**RELOCATED POE AND NECESSARY ACCESSORY WEIGHING FACILITIES**  
**CONCEPT 13**  
**UMATILLA, OREGON**

FIGURE  
**6-10**

## **Detailed Quantitative Evaluation**

A more detailed evaluation was performed of the concepts remaining after the basic qualitative screening process was completed. This analysis consisted of quantitative operational and cost evaluations. *A more detailed description of this evaluation process may be found in the Technical Appendix.*

### Transportation Operations

A transportation operations analysis was performed on the remaining concepts according to the methodologies and standards previously outlined in Section 4, with one exception: concepts that completely reconfigure the interchange (e.g. Concepts 3 and 9) must meet the more stringent volume-to-capacity ratio of 0.70 or better standard from the Oregon *Highway Design Manual* (HDM, Reference 6).

There are some common results between all concepts. The US 730/Umatilla River Road and US 730/US 395-Devore Road intersections are forecast to operate above their applicable standards. This is consistent with the future conditions analysis described in Section 5. Neither intersection was addressed by these concepts due to their distance from the I-82 ramp terminals. The unsignalized US 730/Scaplehorn Road and US 730/Bucks Lane intersections are forecast to operate with high delays for the stop-controlled side-street approaches. However, both are forecast to operate well under the applicable v/c ratio standard of 0.90 due to the relatively low volumes that are forecast to utilize those approaches.

The following subsections summarize the highlights of this analysis for each concept.

#### *Concept 3*

In Concept 3, the reconfigured I-82 Southbound ramp terminal will require dual left-turns from the Southbound off-ramp onto US 730. The dual left-turn lanes will allow the intersection to meet the HDM v/c standard and will help prevent vehicular queues from stacking back into the curve of the loop ramp. Relocating the POE would likely remove the need for dual left-turns, although they would significantly enhance its ability to accommodate long-term growth.

#### *Concepts 8b/c/d/e*

Concepts 8b and 8c will require that the I-82 Southbound off-ramp be widened from its existing configuration to include an exclusive left-turn lane in addition to the existing through/left-turn lane. The additional lane will help prevent vehicles from stacking back on the off-ramp to the mainline of the freeway. This lane is necessitated by the shift of truck volumes from the right-turn lane to the through/left-turn lane since the POE is in a new location south of US 730 and accessed from the I-82 Southbound on-ramp. Concepts 8d and 8e may also warrant this lane to reduce the potential for queue spillback towards the mainline of the freeway. Assuming this lane is in place, these capacity is increased by approximately ten percentage points due to the removal of truck traffic from the US 730 ramp terminal.

---

*Concept 9*

Similar to Concept 3, this concept would reconfigure the I-82 Southbound ramp terminal. However, under Concept 9, truck traffic bound for the POE is provided with its own off-ramp that becomes a third westbound lane onto US 730 feeding directly into the POE. Since this traffic is removed from the ramp terminal intersection, dual left-turn lanes onto US 730 are not needed in order to meet the HDM v/c ratio standard.

*Concept 11*

Several variations of this concept were discussed. The first variation involves the US 730/Eisele Drive-POE access intersection as either a roundabout or a full access traffic signal. The second variation is the connection from the POE underneath US 730 to Eisele Drive and whether this is needed or not. The results indicate that removing this underpass connection does not significantly affect operations at the traffic signal. However, a single-roundabout would be sufficient assuming that this underpass is in place. If the underpass is not in place, then a double-lane roundabout would be required due to the introduction of the truck traffic exiting the POE.

*Concept 13*

Under this scenario, southbound truck traffic would no longer exit I-82 at the US 730 interchange to access the POE. This would result in a significant reduction in truck volumes on portions of US 730 and at the US 730/Brownell Boulevard intersection. Relocating the Brownell Boulevard intersection to increase the spacing from the I-82 Southbound ramp terminal would still likely be necessary in order to prevent queues from spilling back in front of the ramp terminal.

Cost

Preliminary cost estimates were prepared for each concept. The project team developed the construction cost estimates, while ODOT prepared approximate right-of-way (ROW) estimates. These estimates are preliminary and subject to change as the concepts move into more detailed development. Table 6-2 provides a summary of the total cost estimate for each concept. More detailed information on the cost estimates may be found in the Technical Appendix.

**TABLE 6-2 PRELIMINARY COST ESTIMATES**

| Concept                              | Preliminary Cost Estimate |                    |                     |
|--------------------------------------|---------------------------|--------------------|---------------------|
|                                      | Construction              | ROW                | Total               |
| 3 (original)                         | \$17,600,000              | \$600,000          | \$18,200,000        |
| 3 (total w/ POE relocation)          | \$39,800,000              | \$3,500,000        | \$43,300,000        |
| <i>3 (short-term)</i>                | <i>\$19,100,000</i>       | <i>\$600,000</i>   | <i>\$19,700,000</i> |
| <i>3 (POE relocation, long-term)</i> | <i>\$20,700,000</i>       | <i>\$2,900,000</i> | <i>\$23,600,000</i> |
| 8b/8c                                | \$24,000,000              | \$2,900,000        | \$26,900,000        |
| 8d                                   | \$33,600,000              | \$2,900,000        | \$36,500,000        |
| 8e                                   | \$34,600,000              | \$2,900,000        | \$37,500,000        |
| 9                                    | \$18,100,000              | \$2,400,000        | \$20,500,000        |
| 11                                   | \$25,100,000              | \$800,000          | \$25,900,000        |
| 13                                   | \$21,100,000              | \$2,200,000        | \$23,300,000        |

Table 6-2 shows that concepts that relocate the POE within the existing interchange area (i.e. Concepts 3 (total) and 8b/c/d/e) are generally anticipated to have the highest costs. Concepts 3 (short-term and original) and 9 are estimated to have the lowest costs. The short-term phase of Concept 3 with the POE relocation is expected to cost slightly more, approximately \$1.5 million, than the original Concept 3 due to additional ramp construction work that would be necessary to allow for the future relocation of the POE. Concepts 8d and 8e cost more than 8b and 8c due to the additional ramps that would be constructed into the POE from I-82. Concept 13’s cost is slightly higher than Concepts 3 (short-term and original) and 9, but less than the other concepts.

After reviewing these analyses, the TAC and PAC came to the following conclusions:

- Concept 9 is not desirable given that it eliminates the westbound right-turn from US 730 onto Brownell Boulevard;
- Concept 11 has significant costs and construction challenges compared to its benefits;
- Concepts 8b/c/d/e have significant hurdles in terms of cost and the fact that FHWA will not allow any connection from the POE to US 730, thereby limiting the practicality of these concepts, especially Concepts 8b and 8c;
- Concept 3 does solve the problems this project was originally intended to address; however relocating the POE is also important for potential future economic development in the City; and
- Concept 13 addresses the existing transportation issues, while also helping the City achieve its economic development goals.

Generally the TAC and PAC supported moving forward with Concept 13. Their feedback was taken into consideration by the project steering committee when selecting the recommended improvement plan. Ultimately, the project steering committee selected Concept 13 as the preferred transportation improvement plan.

## CONCEPT DEVELOPMENT AND SCREENING SUMMARY

Table 6-3 summarizes the reasoning for concepts being dismissed from consideration.

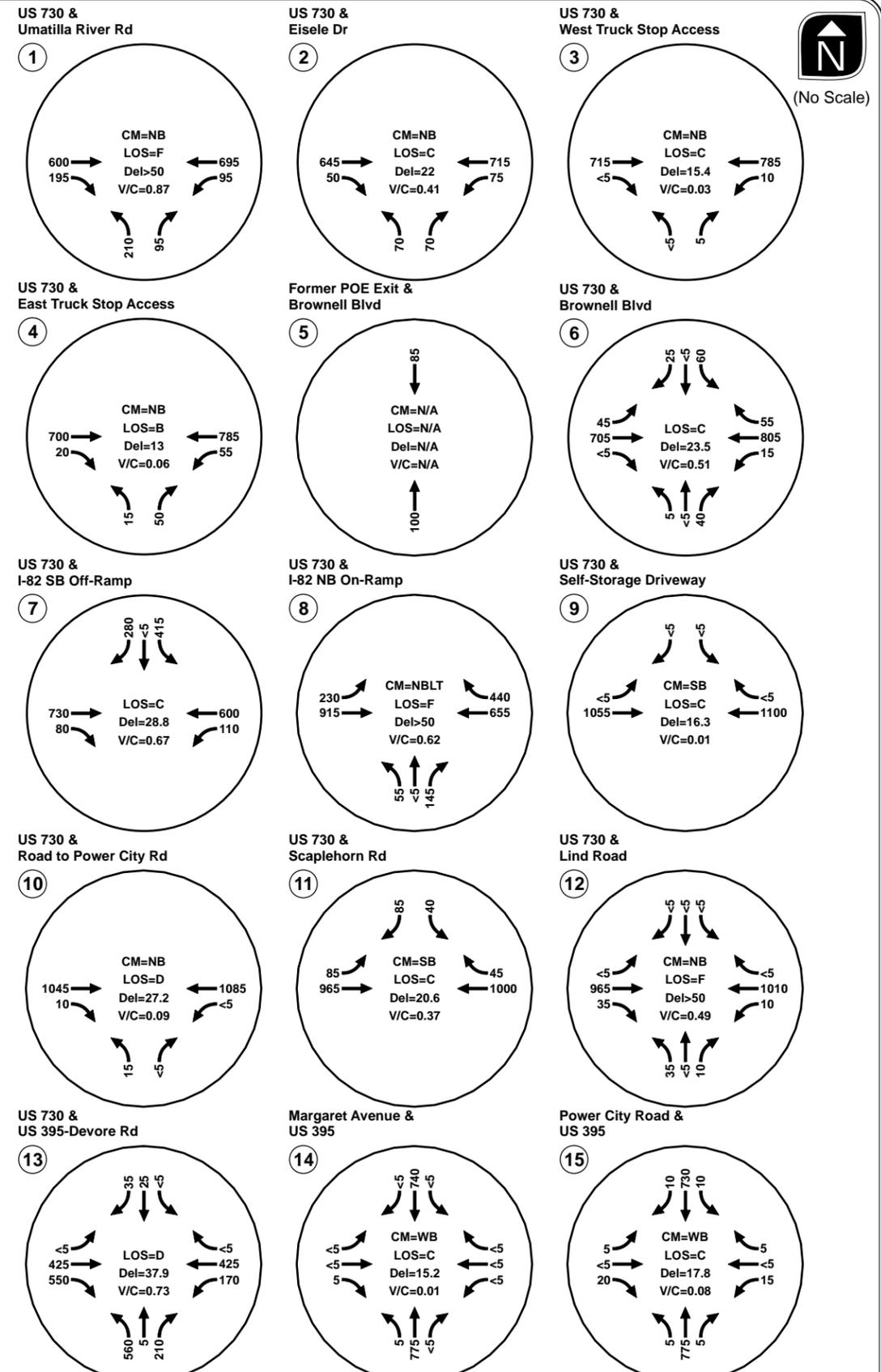
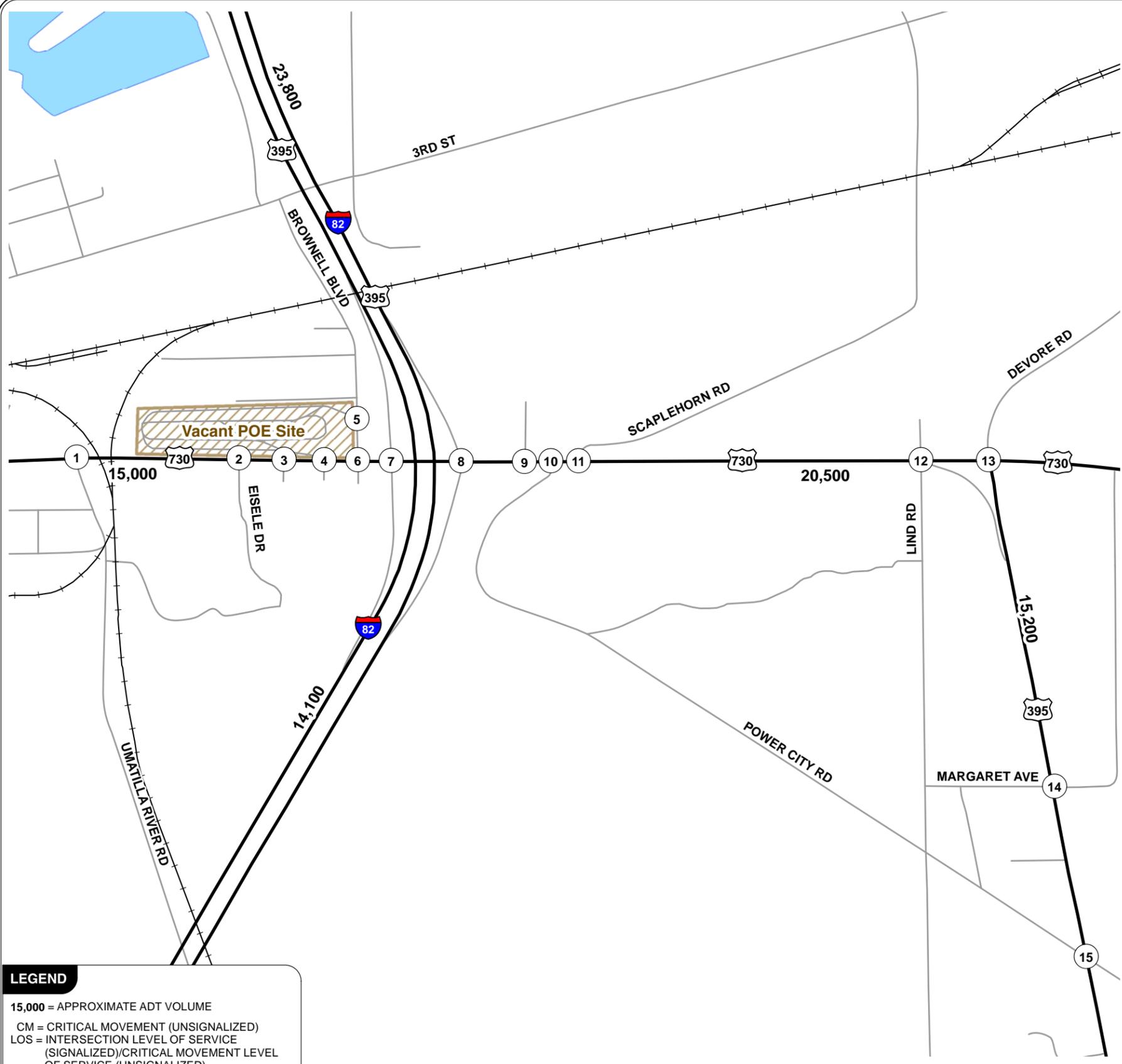
**TABLE 6-3 CONCEPT DEVELOPMENT AND SCREENING SUMMARY**

| <b>Concept</b>        | <b>Recommended for Inclusion in the IAMP by the TAC/PAC</b> | <b>Final Selection/<br/>Primary Disadvantages to Concept</b> |
|-----------------------|---|--|
| 1a                    | No  | No – Constructability  |
| 1b                    | No  | No – Constructability  |
| 2                     | No  | No – Constructability, Circulation                           |
| 3 (original)          | No  | No – Does not allow POE relocation                           |
| 3 (w/ POE relocation) | No  | No - Cost  |
| 4                     | No  | No – Constructability  |
| 5                     | No  | No – Constructability  |
| 6                     | No  | No – Constructability, Capacity                              |
| 7                     | No  | No – Cost  |
| 8a                    | No  | No – Capacity  |
| 8b                    | No  | No – Constructability, Circulation, Cost                     |
| 8c                    | No  | No – Constructability, Circulation, Cost                     |
| 8d                    | No  | No – Constructability, Circulation, Cost                     |
| 8e                    | No  | No – Constructability, Circulation, Cost                     |
| 9                     | No  | No – Circulation   |
| 10                    | No  | No – Constructability, Capacity                              |
| 11                    | No  | No – Constructability, Cost                                  |
| 12                    | No  | No – Constructability, Capacity                              |
| 13                    | Yes   | Yes  |

Figures 6-9 and 6-10 (previous) show the preferred concept.

## PREFERRED CONCEPT DETAILED CAPACITY ANALYSIS

The concept screening process described above resulted in the selection of Concept 13 as the preferred improvement plan. A detailed capacity analysis of this concept is presented in Figure 6-11, assuming no other changes to the infrastructure network and that the existing POE site is not redeveloped.



(No Scale)

**LEGEND**  
 15,000 = APPROXIMATE ADT VOLUME  
 CM = CRITICAL MOVEMENT (UNSIGNALIZED)  
 LOS = INTERSECTION LEVEL OF SERVICE (SIGNALIZED)/CRITICAL MOVEMENT LEVEL OF SERVICE (UNSIGNALIZED)  
 Del = INTERSECTION AVERAGE CONTROL DELAY (SIGNALIZED)/CRITICAL MOVEMENT CONTROL DELAY (UNSIGNALIZED)  
 V/C = CRITICAL VOLUME-TO-CAPACITY RATIO

**YEAR 2030 CONCEPT 13 OPERATIONS 30TH HIGHEST HOUR - EXISTING POE SITE VACANT UMATILLA, OREGON** **FIGURE 6-11**

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Table 6-4 compares the anticipated year 2030 traffic operations with the POE (taken from analysis summarized in Section 5) to the results shown in Figure 6-11 without the POE.

**TABLE 6-4 OPERATIONAL ANALYSIS COMPARISON**

| Scenario                         | US 730/I-82 Southbound Ramp Terminal |     |           | US 730/Brownell Boulevard |     |           |
|----------------------------------|--------------------------------------|-----|-----------|---------------------------|-----|-----------|
|                                  | V/C <sup>1</sup> Ratio               | LOS | Delay (s) | V/C <sup>1</sup> Ratio    | LOS | Delay (s) |
| 2030 Future (w/o POE relocation) | 0.66                                 | D   | 36.6      | 0.73                      | D   | 40.2      |
| 2030 Future (w/ POE relocation)  | 0.67                                 | C   | 28.8      | 0.51                      | C   | 23.5      |

<sup>1</sup>V/C Ratio = volume-to-capacity ratio

The table shows that traffic operations are expected to improve in the vicinity of the I-82 Southbound ramp terminal as a result of the relocation of the POE.

The results of the analysis east of I-82 are consistent with the findings discussed in Section 5 as this area is insignificantly affected by the relocation of the POE. Truck traffic passing through them will likely continue to exit I-82 at the US 730 interchange in order to travel on US 730 or US 395 as they do today.

### Queuing

A particular concern in the vicinity of the I-82 Southbound ramp terminal is for queues of vehicles to back up from the nearby Brownell Boulevard intersection into the ramp terminal intersection. This occasionally happens today and will likely occur more frequently in the future as traffic volumes increase. Removing the truck traffic associated with the POE will help alleviate queuing by not only reducing the total number of vehicles traveling through the Brownell Boulevard intersection, but also reducing the average size of those vehicles, as heavy trucks occupy more space than passenger vehicles. A queuing analysis was performed along with the traffic operations analysis. This analysis indicates that queues are not expected to exceed two vehicles at one time, which would be a length between 50 to 150 feet, depending on the types of vehicles in the queue. The latter length is about the maximum length of queue that can be accommodated in the space between the two intersections. These results are similar, though slightly improved, to those seen in the analysis of existing conditions, so the queue lengths may be underestimated in this analysis. Relocating the Brownell Boulevard intersection to increase the spacing from the I-82 Southbound ramp terminal would still likely be necessary in order to prevent queues from spilling back in front of the ramp terminal. More information about this analysis can be found in the Technical Appendix.

### Development Potential of POE Site

In order to fully assess the potential impacts of the relocation of the POE, a separate analysis was performed assuming that site fully redevelops under its current zoning designation. The current POE site is zoned by the City of Umatilla as General Commercial (GC). This zoning designation allows a variety of commercial uses, with limited exceptions. Given the location's proximity to the I-82/US 730 interchange and location adjacent to US 730, it was conservatively assumed that the site

would develop with commercial retail uses. Table 6-5 documents the project team’s assumptions for this analysis regarding potential build-out of the POE site under the GC zoning designation, along with the trip generation potential of such development. The trip generation potential for each of the land uses was calculated for the weekday p.m. peak hour using the 8th Edition of *Trip Generation*, published by the Institute of Transportation Engineers. All trip ends in Table 6-5 have been rounded to the nearest five.

**TABLE 6-5 POE SITE REDEVELOPMENT AND TRIP GENERATION POTENTIAL**

| Land Use                   | Size (Sq. Ft.) | Weekday Daily Trips | Weekday PM Peak Hour Trips |            |            |
|----------------------------|----------------|---------------------|----------------------------|------------|------------|
|                            |                |                     | Total                      | In         | Out        |
| Shopping Center            |                | 6,810               | 590                        | 290        | 300        |
| <i>Pass-By Trips</i>       | 158,560        | <i>2,320</i>        | <i>200</i>                 | <i>100</i> | <i>100</i> |
| <b>Total Net New Trips</b> |                | <b>4,490</b>        | <b>390</b>                 | <b>190</b> | <b>200</b> |

As Table 6-5 shows, this level of development would be expected to generate approximately 6,810 trips on an average weekday, with 4,490 of those trips being new to the transportation system and approximately 390 net new trips (190 in and 200 out) during the weekday p.m. peak hour.

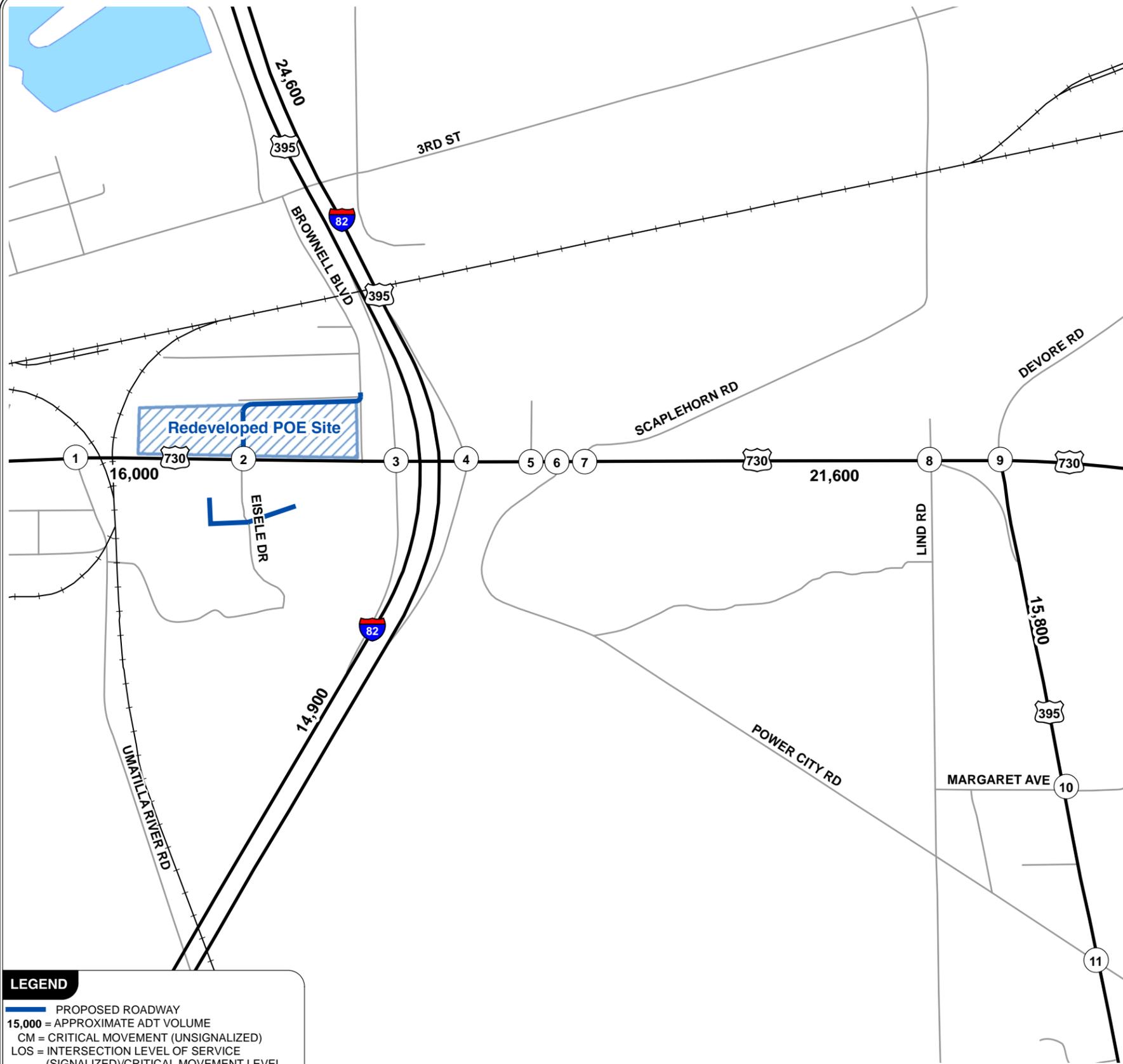
Traffic Operations

The new trips shown in Table 6-5 are assigned to the surrounding roadway network based on existing traffic patterns and attractions. These volumes are added to the traffic volumes from Figure 6-11 in order to estimate the impacts that redevelopment of the POE site would have on the surrounding roadway system. In conducting this analysis, it is assumed that Brownell Boulevard is realigned to access US 730 across from Eisele Drive at a signalized intersection as part of the redevelopment of the site, with dual southbound left-turns and a shared through/right-turn lane from Brownell Boulevard onto US 730 provided. It is also assumed that access to properties on the south side of US 730 is provided via a backage road with a connection to Eisele Drive and that Eisele Drive has a dedicated left-turn lane and a shared through/right-turn lane for northbound traffic turning left onto US 730. The US 730 approaches would be configured as they are today, except that an eastbound left-turn lane would also be provided.

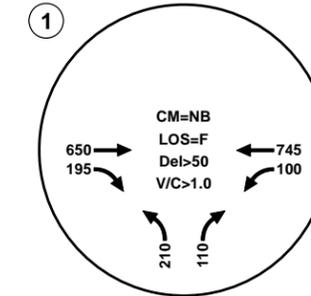
Figure 6-12 shows the results of the traffic operational analysis for the year 2030 assuming that the POE is relocated and that the site it currently occupies is redeveloped as shown in Table 6-5. The analysis reveals that the realigned Brownell Boulevard-Eisele Drive intersection with US 730 would operate just below the OHP mobility standard of a v/c ratio of 0.85, assuming the lane configurations described above. The interchange ramp terminals are also forecast to meet the applicable OHP mobility standard.



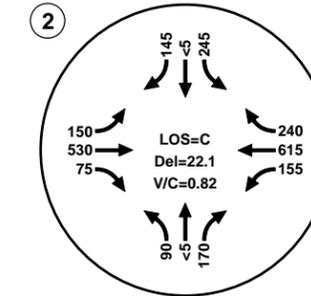
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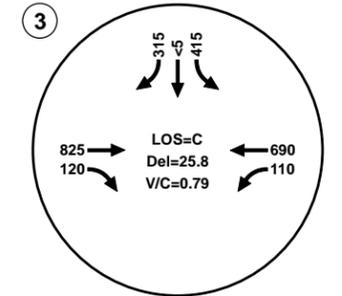
US 730 & Umatilla River Road



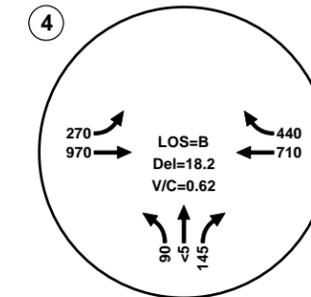
US 730 & Eisele Dr-Brownell Blvd



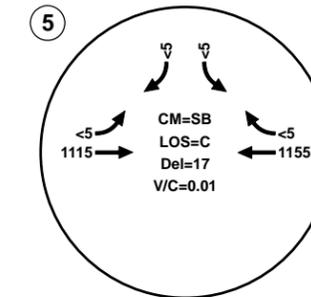
US 730 & I-82 SB Off-Ramp



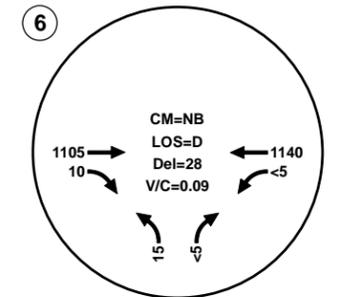
US 730 & I-82 NB On-Ramp



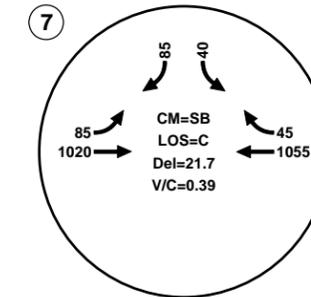
US 730 & Self-Storage Driveway



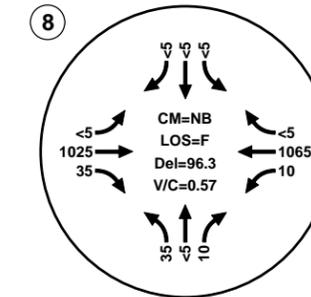
US 730 & Road to Power City Road



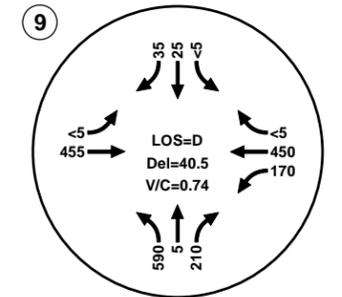
US 730 & Scaplehorn Road



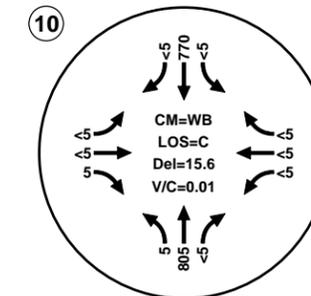
US 730 & Lind Road



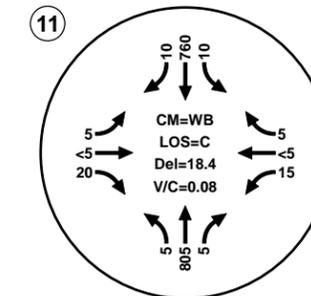
US 730 & US 395-Devore Road



Margaret Avenue & US 395



Power City Road & US 395



**LEGEND**

- PROPOSED ROADWAY
- 15,000 = APPROXIMATE ADT VOLUME
- CM = CRITICAL MOVEMENT (UNSIGNALIZED)
- LOS = INTERSECTION LEVEL OF SERVICE (SIGNALIZED)/CRITICAL MOVEMENT LEVEL OF SERVICE (UNSIGNALIZED)
- Del = INTERSECTION AVERAGE CONTROL DELAY (SIGNALIZED)/CRITICAL MOVEMENT CONTROL DELAY (UNSIGNALIZED)
- V/C = CRITICAL VOLUME-TO-CAPACITY RATIO

YEAR 2030 CONCEPT 13 OPERATIONS  
 30TH HIGHEST HOUR - EXISTING POE SITE REDEVELOPED  
 UMATILLA, OREGON

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## **EAST SIDE OF INTERCHANGE IMPROVEMENTS**

All of the concepts considered included a common set of improvements to be made to the east of the I-82/US 730 interchange. The primary purpose of these improvements is to improve local circulation and access spacing along US 730. The geography of the area precludes moving the Scaplehorn Road access east to better meet access spacing standards. Instead, as development occurs north of US 730 on the east side of the interchange, the perpendicular section of the Scaplehorn Road approach to US 730 will be lengthened to approximately 200 feet to provide stacking distance for vehicles turning onto US 730. Scaplehorn Road will also be extended to serve as a frontage road that provides access for these properties. Similarly, as development occurs on the south side of US 730 on the east side of the interchange, a local street network that accesses US 730 at the Scaplehorn Road intersection will need to be constructed. These circulation and access connections are shown in Figure 6-9.

## **PEDESTRIAN IMPROVEMENTS**

Pedestrian facilities along US 730 in the study are currently limited to the south side of US 730 on the west side of the interchange. Sidewalks along with curb and gutter will be constructed on the north side of US 730 from the interchange to the bridge over the Umatilla River as development occurs and/or roadway improvements are made. They will also be constructed on both sides of US 730 east of the interchange to the US 395 intersection as development occurs and/or roadway improvements are made.

**Section 7**  
Interchange Area  
Management Plan

## Interchange Area Management Plan

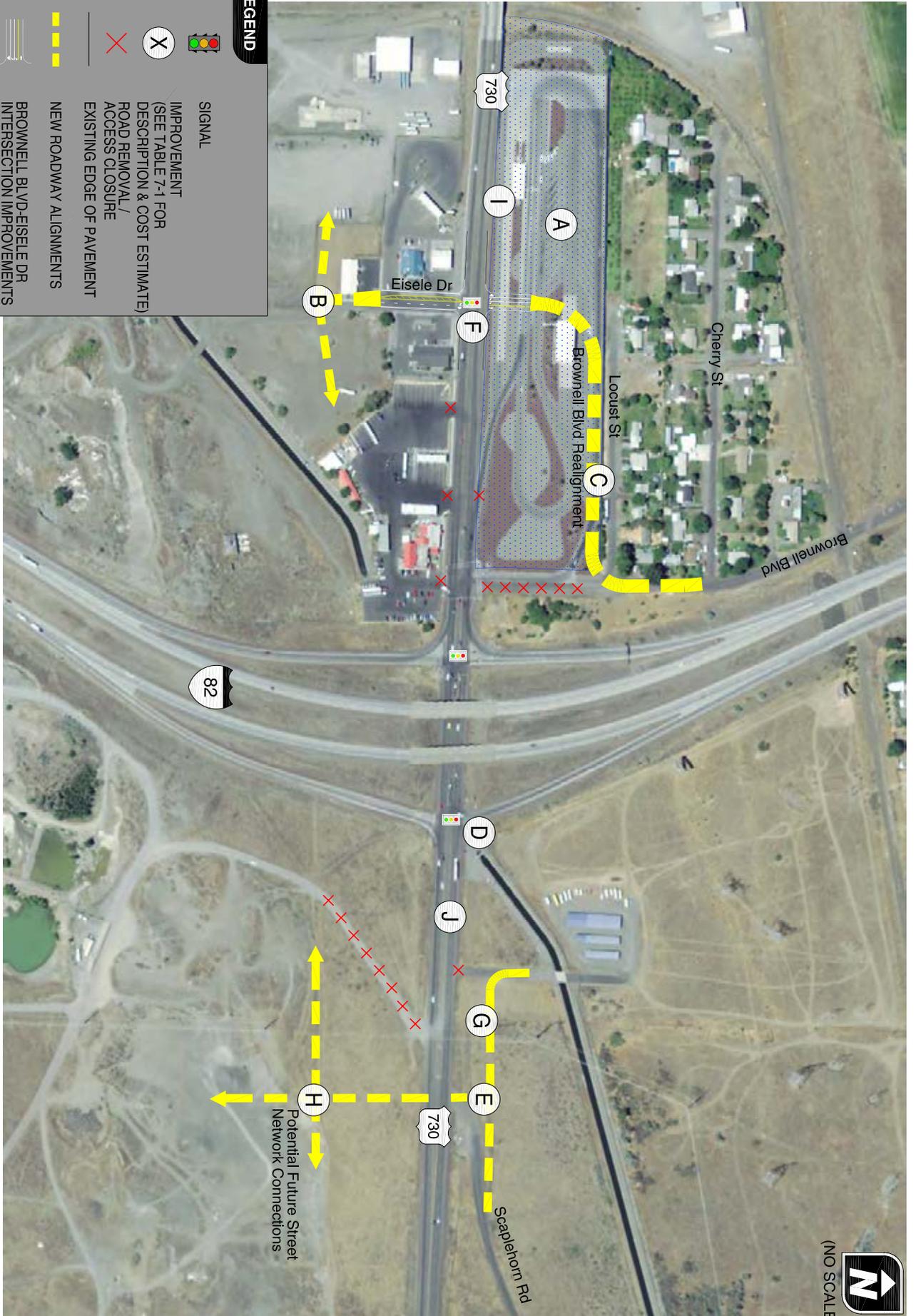
The I-82/US 730 IAMP provides a transportation improvement plan and an Access Management Plan (AMP). The transportation improvement plan includes interchange and local circulation improvements, as well as a phasing schedule. The AMP contains an access management plan and documents the justification for the necessary deviations to ODOT's access management standards.



Through adoption by the City of Umatilla, Umatilla County, and ODOT, future development located within the Interchange Management Study Area (IMSA) will be required to make circulation and access improvements, as identified in this plan. Implementation of the IAMP is expected to preserve the functional integrity of the interchange over time and ensure viable access to existing and future land uses. Finally, the action items contained within the implementation plan (Section 8) will ensure proper coordination between the various stakeholders and that the IAMP remains a dynamic long-term planning tool.

### TRANSPORTATION IMPROVEMENT PLAN OVERVIEW

A comprehensive transportation improvement plan including a local circulation and access plan within the interchange management study area (IMSA) was developed based on the concept screening and evaluations outlined in Section 6. Figures 7-1 and 7-2 illustrate the transportation improvement plan. This plan includes the relocation of the Port of Entry (POE) to a new location along I-82, alignments of new roadways and intersections, and modifications to existing roadways and intersections. Each transportation improvement identified in the two figures is described in Table 7-1. Figure 7-3 illustrates the lane configurations and traffic control devices associated with the improvement plan. This table also contains preliminary cost estimates for the improvements.





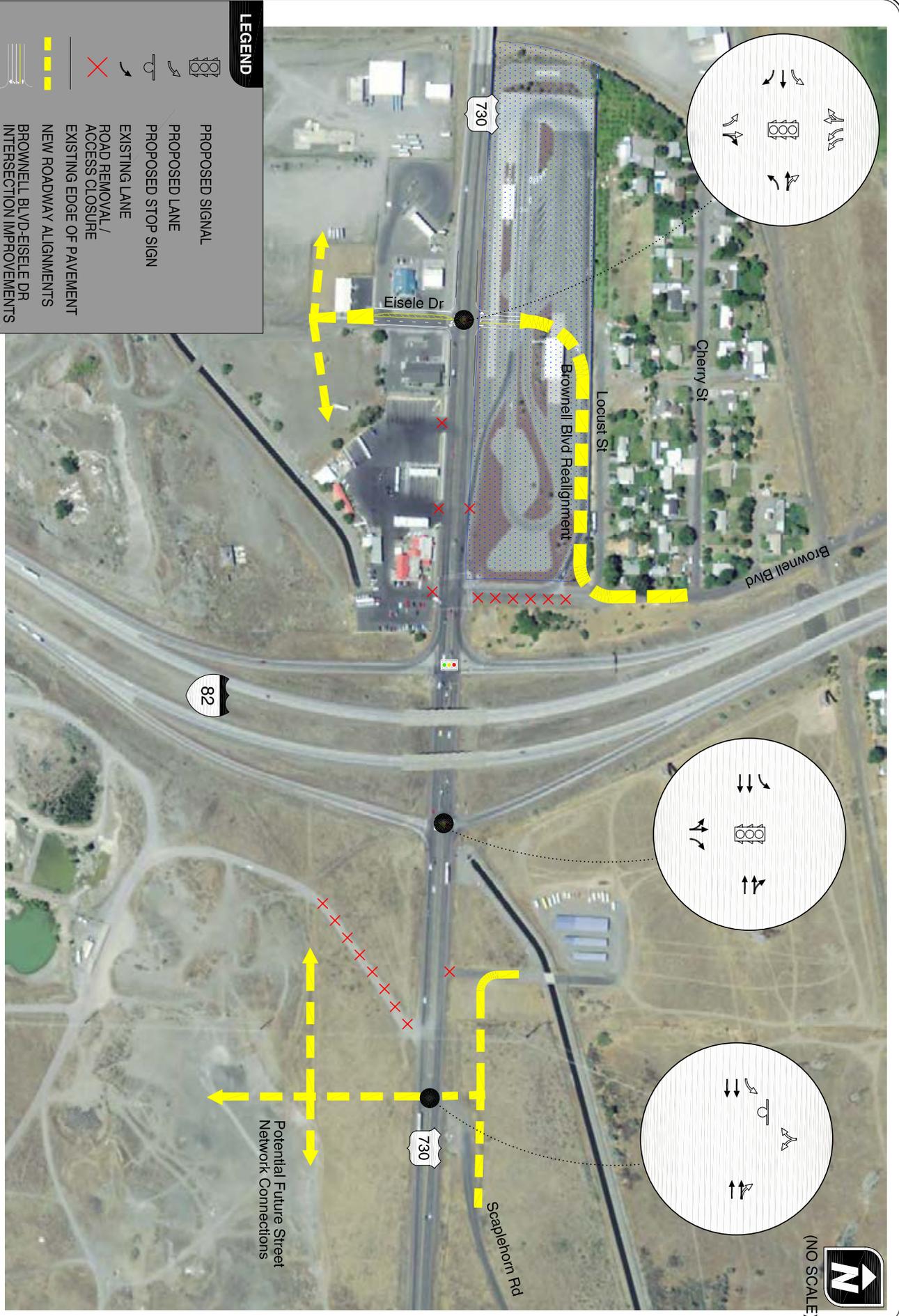
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IAMP TRANSPORTATION IMPROVEMENT PLAN  
RELOCATED POE AND NECESSARY ACCESSORY WEIGHING FACILITIES  
UMATILLA, OREGON

FIGURE  
**7-2**



TRANSPORTATION IMPROVEMENT PLAN LANE CONFIGURATIONS AND TRAFFIC CONTROL DEVICES  
I-82/US 730 INTERCHANGE AREA  
UMATILLA, OREGON

FIGURE  
**7-3**

**TABLE 7-1 IAMP TRANSPORTATION IMPROVEMENTS**

|   | <b>Improvement/Description</b>   | <b>Trigger for Improvement</b>   | <b>Estimated Cost<sup>1</sup></b> | <b>Potential Funding Source</b> |
|---|--|--|-----------------------------------|---------------------------------|
| A | Relocate the POE to the I-82 corridor (see Figure 7-1b and 7-3) and construct a permanent weigh station on US 730 (location to be determined via a separate study) and a temporary truck scale on US 395 (location to be determined via a separate study). | Relocation of POE  | \$21M                             | STIP                            |
| B | Construct a new backage road accessed via Eisele Drive to provide access and circulation for properties along the south side of US 730.  | Redevelopment of parcels along the south side of US 730.   | \$0.7M                            | PDF                             |
| C | Realign Brownell Boulevard to connect to US 730 across from Eisele Drive (exact alignment of Brownell Boulevard to be determined based on future development or City project).   | The need to realign Brownell Boulevard will be evaluated in a TIS when 95th-percentile westbound queues (at the existing US 730/Brownell Boulevard intersection) exceed two vehicles and spillover into the I-82 Southbound ramp terminal. Based on a sensitivity analysis of traffic operations, this condition is forecast to occur when the total entering volume at the current intersection exceeds approximately 1,950 vehicles. | \$0.65M                           | PDF                             |
| D | Signalize the I-82 Northbound ramp terminal.   | When signal warrants are met.  | \$0.3M                            | STIP<br>PDF                     |
| E | Realign Scaplehorn Road to provide a longer perpendicular section.   | Redevelopment of parcels along the north side of US 730.   | \$0.15M                           | PDF                             |
| F | Signalize the US 730/Eisele Drive/Brownell Road intersection.  | When Brownell Boulevard is realigned and when signal warrants are met.   | \$0.3M                            | PDF                             |
| G | Extend Scaplehorn Road west to create a frontage road.   | Redevelopment of parcels along the north side of US 730.   | \$0.2M                            | PDF                             |
| H | Develop a network of local streets that align across from the new Scaplehorn Road intersection.  | Redevelopment of parcels along the south side of US 730.   | TBD <sup>2</sup>                  | PDF                             |
| I | Construct sidewalks on the north side of US 730 from the Umatilla River bridge to the I-82 Southbound ramp terminal  | Redevelopment of parcels along the north side of US 730 and roadway improvement projects along US 730  | \$0.4M                            | STIP<br>City<br>PDF             |
| J | Construct sidewalks on both sides of US 730 from the I-82 Southbound ramp terminal to US 395   | Redevelopment of parcels and roadway improvement projects along US 730   | \$2.0M                            | STIP<br>City<br>PDF             |

<sup>1</sup>Includes preliminary construction and right-of-way cost estimates based on 2010 dollars.

<sup>2</sup>Improvements to be constructed by future development.

STIP – Statewide Transportation Improvement Program (ODOT)

PDF – Private Development Funds (Private Parties)

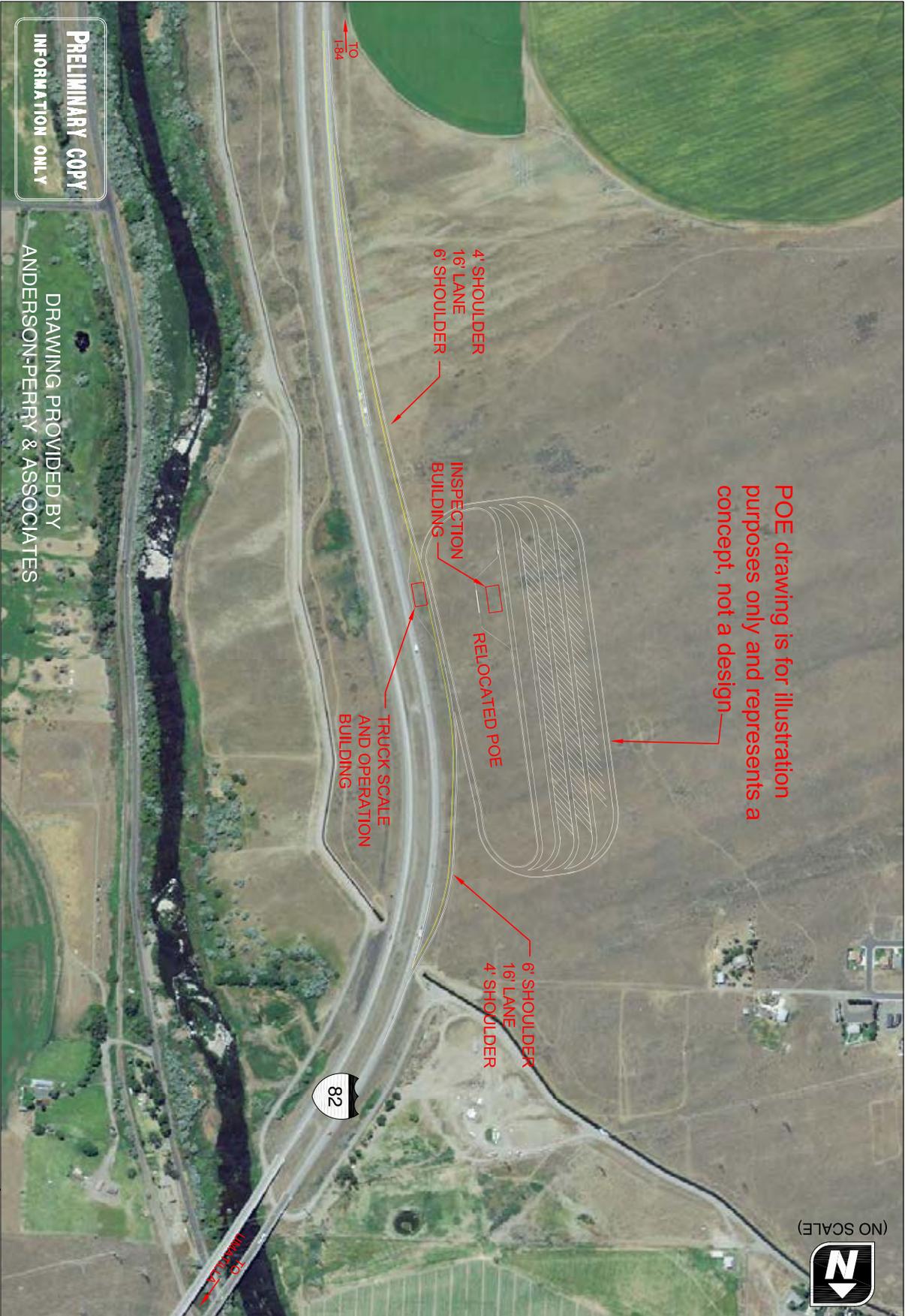
TIS – Traffic Impact Study

The following section provides details on the major improvements identified in the Transportation Improvement Plan, including possible deviations from standards that may be required.

### **Major Improvements**

Relocating the existing POE is the central component of this plan. As was discussed in greater detail in Section 6, the POE in its current location serves as a gateway to Umatilla. The amount of truck traffic it brings into the area during peak harvest times is a significant factor behind the existing traffic issues at the interchange. It was determined that relocating the POE would likely cost as much or less than modifying the interchange to continue to accommodate the POE in the long-term. As such, the plan identifies a potential relocation site for the POE, shown in Figure 7-2, south of the I-82/US 730 interchange along the I-82 corridor. This location would allow for the POE to be rebuilt with a larger footprint capable of accommodating more overnight truck parking than the current location allows. The relocated POE would have dedicated on- and off-ramps via I-82 southbound. Figure 7-4 provides a detailed conceptual drawing of the relocated POE.

Given that the relocated POE would only have direct access via I-82 Southbound, this single site is no longer able to effectively serve and enforce the weigh process for trucks traveling along the US 395 and US 730 corridors. As such, this plan necessitates the development of a permanent weigh station on US 730 (somewhere west of Umatilla) and a truck scale to be used as needed along US 395 (somewhere south of US 730). The identification of sites for these facilities has not been completed as part of this process, and therefore no locations are shown. However, rough cost estimates of these facilities (based on a typical design shown in Figure 7-5) are included in the estimate shown in Table 7-1.



POE drawing is for illustration purposes only and represents a concept, not a design

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INFORMATION ONLY

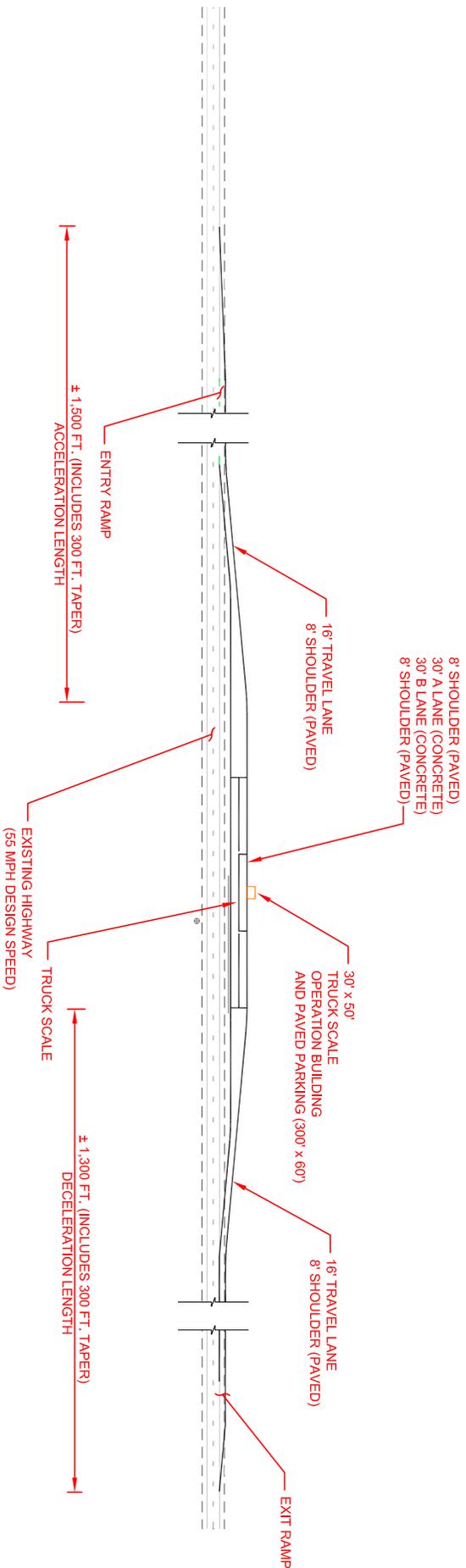
DRAWING PROVIDED BY  
ANDERSON-PERRY & ASSOCIATES

RELOCATED POE  
CONCEPTUAL DRAWING  
UMATILLA, OREGON

FIGURE  
7-4



(NO SCALE)



**PRELIMINARY COPY  
INFORMATION ONLY**

DRAWING PROVIDED BY  
ANDERSON-PERRY & ASSOCIATES

NOTE:  
ACCELERATION AND DECELERATION  
LENGTHS BASED ON AN ASSUMED  
HIGHWAY DESIGN SPEED OF 65 MPH.

TYPICAL TRUCK SCALE  
CONCEPTUAL DRAWING  
UMATILLA, OREGON

FIGURE  
**7-5**

### Brownell Boulevard

Relocating the POE allows for Brownell Boulevard to be realigned through the site and intersect US 730 directly across from Eisele Drive. Such realignment would significantly improve the intersection spacing between Brownell Boulevard and the I-82 SB ramp terminal and move in the direction of achieving the desirable ¼-mile spacing standard. This Brownell Boulevard realignment is envisioned to occur over time, but only after the POE is potentially relocated. To ensure that the realignment occurs as envisioned, the IAMP has laid out the following steps that ODOT, the City of Umatilla, and Umatilla County should take following POE relocation:

1. ODOT and the City of Umatilla will enter into a memorandum of understanding (MOU) that establishes parameters for the sale of the POE site. Specific details of the agreement should include the following:
  - a. ODOT will go through a process to surplus the property.
  - b. Sale of the POE property will exclude the land necessary to establish the right-of-way to establish the Brownell Boulevard realignment as illustrated in Figure 7-1.
  - c. The excluded property should be sufficient to accommodate the Minor Arterial standard in the City's Transportation System Plan. This includes two 12 feet travel lanes, a 14 feet center turn lane, two 6 feet bike lanes, two 5 feet planting strips, and two 6 feet sidewalks. In addition to this cross-section, Figure 7-3 illustrates the recommended Brownell Boulevard approach to US 730 based on the traffic analysis (dual southbound left-turn lanes and a shared through/right-turn lane onto US 730, with approximately 125 feet of storage for the left-turn lanes).
2. Construction of the actual Brownell Boulevard realignment will occur as part of future redevelopment of the POE site. A trigger point for the realignment should occur when 95<sup>th</sup>-percentile westbound queues (at the existing US 730/Brownell Boulevard intersection) exceed two vehicles and spillover into the I-82 Southbound ramp terminal. Based on a sensitivity analysis of traffic operations, this condition is forecast to occur when the total entering volume at the current intersection exceeds approximately 1,950 vehicles. This is the equivalent of year 2030 traffic conditions with the POE relocated and approximately 50,000 square-feet of retail development on the current POE site.
3. After full realignment of Brownell Boulevard, the City of Umatilla will take over ownership and maintenance responsibility from Umatilla County.

### Eisele Drive and Backage Road

To better manage access along the south side of US 730, right-of-way should be acquired as part of future redevelopment projects to the east and west of Eisele Drive. A new backage road would then be constructed to link all of the properties on the south side of US 730. This backage road will be constructed as part of future redevelopment to a Collector standard in the City's transportation

system plan. This includes two 12 feet travel lanes, a 12 feet center turn lane, two 6 feet bike lanes, two 5 feet planting strips, and two 6 feet sidewalks.

The US 730/Eisele Drive intersection will be signalized with the realignment of Brownell Boulevard. At this point, or when development of the backage road occurs, whichever is first, the Eisele Drive approach should be widened to provide an exclusive left-turn lane.

#### I-82/US 730 Northbound Ramp Terminal

On the east side of the interchange, signalize the I-82/US 730 Northbound ramp terminal. Signalization is anticipated to be needed to accommodate peak hour travel demand from continued traffic growth at the interchange.

#### Scaplehorn Road and Local Circulation

The geography of the area precludes moving the Scaplehorn Road access east to better meet access spacing standards. Instead, as development occurs north of US 730 on the east side of the interchange, the perpendicular section of the Scaplehorn Road approach to US 730 will be lengthened to approximately 200 feet to provide stacking distance for vehicles turning onto US 730. Scaplehorn Road will also be extended to serve as a frontage road that provides access for these properties. Similarly, as development occurs on the south side of US 730 on the east side of the interchange, a local street network that accesses US 730 at the Scaplehorn Road intersection will need to be constructed. These circulation and access connections are illustrated in Figure 7-1.

#### Pedestrian Improvements

Pedestrian facilities along US 730 in the study are currently limited to the south side of US 730 on the west side of the interchange. Sidewalks along with curb and gutter will be constructed on the north side of US 730 from the interchange to the bridge over the Umatilla River as development occurs and/or roadway improvements are made. They will also be constructed on both sides of US 730 east of the interchange to the US 395 intersection as development occurs and/or roadway improvements are made.

### ***Possible Exceptions/Deviations from Standards***

The deviations that will be required for the near-term improvements are related to the access spacing standards outlined under Oregon Administrative Rule 734, Division 51 and the Oregon Highway Plan (OHP). These deviations are discussed in the access management subsection below.

## **ACCESS MANAGEMENT PLAN**

Access locations within the IMSA were evaluated based on ODOT's Division 51 Access Management standards and an assessment of traffic operations and safety as described in Action 3C.3 of the 1999 Oregon Highway Plan. Accordingly, an Access Management Plan (AMP) is developed to preserve the operational integrity and safety of primary roadways (e.g. US 730) serving the interchange area, while maintaining viable access to all parcels in the IMSA. The AMP contains both a plan for actions to be taken on City and County of Umatilla roadways (i.e. SW

Eisele Drive and Brownell Boulevard) and adopted into the City's and County's TSPs, respectively, and a plan, which is implemented by ODOT on state highway facilities (i.e., I-82, US 730) and adopted into the OHP as part of the facility plan.

An AMP is identified for the near-, medium-, and long-term timeframes. The overall AMP is illustrated in Figure 7-6. Justification is also provided for locations where deviations from ODOT's access management standards are necessary. Access management will be implemented as part of ODOT, City, and County project development and delivery processes or as future land use changes occur.

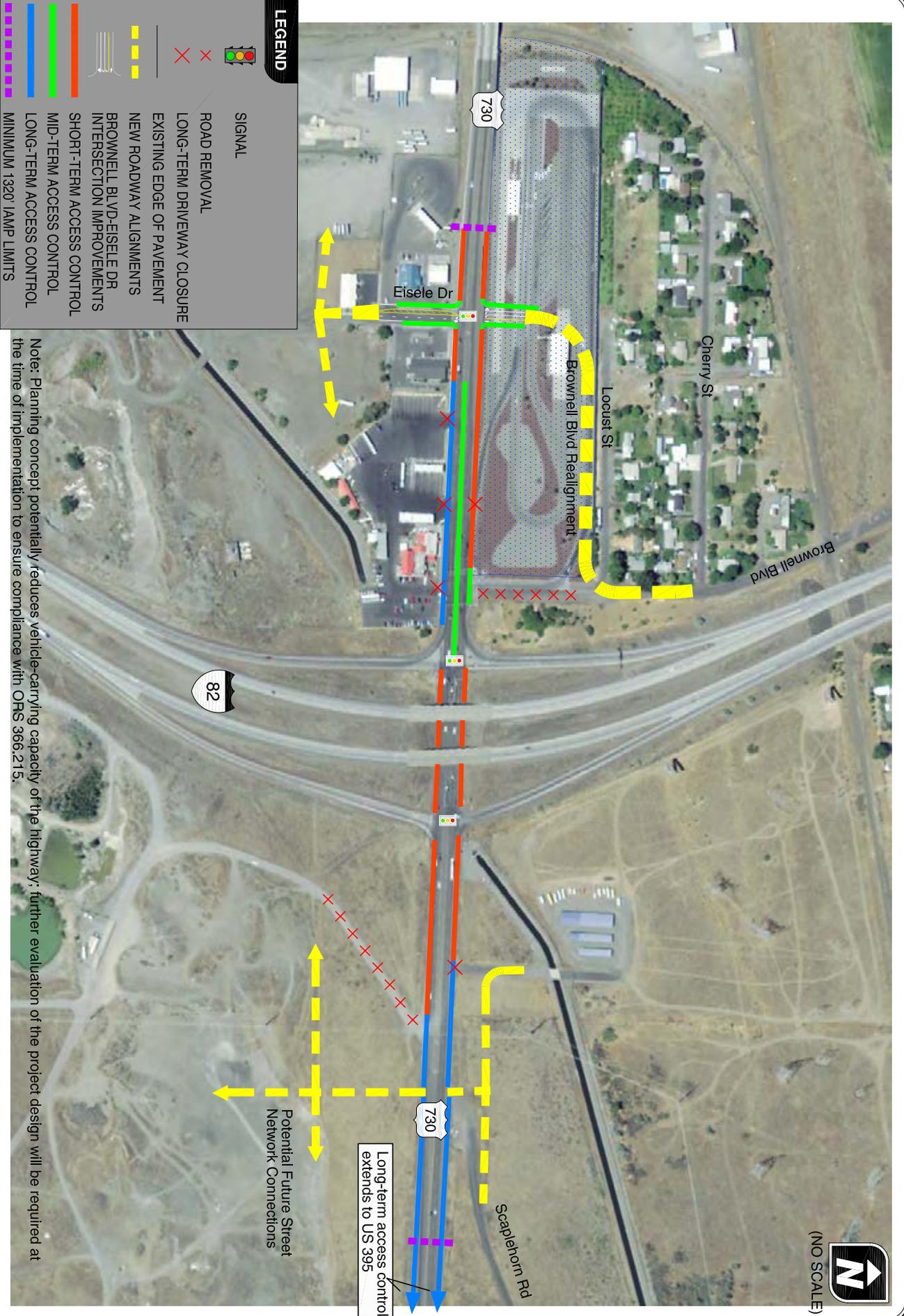
### **General Access Management Implementation**

Under ODOT's current access management policy, the 1999 Oregon Highway Plan stipulates that the desired distance between an interchange ramp terminal and the first full approach (public or private) on the crossroad should be a minimum of 1,320 feet (¼-mile). The first right-in/right-out access should be a minimum of 750 feet from the ramp terminal. Currently there are 4 private approaches and 3 public street approaches on the west side of the interchange and 2 private and 1 public approaches on the east side within 1,320 feet of the interchange ramp terminals, as was previously documented in Figures 4-6 and 4-7.

### **Existing Private Approach Policy**

ODOT guarantees Access Permit protection, as allowed within ORS 374.305 & 310, to all existing private accesses. Each will remain a valid access as long as the existing uses remain on property/site and there is no capital improvement project that would trigger review of the access (per OAR 734.051.0285). An access evaluation will be required when any of the following land use actions leads to a peak hour increase in 50 trips or more over the prior use, a daily increase of 500 trips or more over the prior use, or the increase represents a 20 percent or more increase in trips on a typical day/peak hour; if there is an identified safety or operational problem related to the approach; if the approach does not meet sight distance requirements; or if the daily traffic using the approach increases by 10 or more vehicles with a gross vehicle weight equal to or greater than 26,000 pounds:

- Modifications to existing zoning,
- Changes to plan amendment designations;
- Construction of new buildings;
- Increases in floor space of existing buildings;
- Division or consolidation of property boundaries;
- Changes in the character of traffic using the driveway/approach;
- Changes to internal site circulation design or inter-parcel circulation; or
- Reestablishment of a property's use (after discontinuance for four years or more that trigger a Traffic Impact Assessment as defined below) that occurs on the parcels served by the approaches.



ACCESS MANAGEMENT PLAN  
UMATILLA, OREGON

FIGURE  
7-6

In general, the types of improvements identified for accesses within the IMSA include:

- Modifying, mitigating, consolidating, or removing existing approaches pursuant to an access management plan as part of the highway project development and delivery process (OAR 734-051);
- Improving traffic safety and operations by improving the local street network to provide alternate access and reduce conflict points; and,
- Restricting highway access but improving local roadway access by introducing shared access, cross-over easements, and/or consolidated access when separate parcels are assembled for redevelopment, and access via collector or local streets.

The time period over which the following measures will be implemented will depend on the rate of redevelopment within the IMSA and when the transportation improvement plan projects identified previously are constructed. As each parcel redevelops, or upon capital improvement, accesses will be evaluated to determine how they will be modified in order to move in the direction of meeting the access spacing standards and long-term vision of driveway consolidation while still providing access as defined in OAR 734-051.

### **Access Management**

Figure 7-6 illustrates the AMP for the IMSA. The AMP is divided into three timeframes: near-term, mid-term, and long-term. The near-term plan illustrates how access will be controlled with the initial construction of identified near-term improvements. After the near-term improvements are constructed, ODOT and the City could then begin implementing the mid-term plan, based upon parcels redeveloping or safety and operational needs warranting access restrictions. The long-term plan would be implemented once the long-term improvements are constructed. The following is a description of the AMP for each major roadway.

#### US 730

The AMP for US 730 is primarily focused on not allowing new private accesses to the highway within ¼-mile of the interchange ramps. It also focuses on minimizing existing approach connections over time through closures, and consolidations, supported by alternate access provided via a backage road connecting to Eisele Drive. This plan will be implemented in the near-, mid-, and long-term time frames as outlined in Figure 7-6. In the mid-term, Brownell Boulevard will be realigned across from Eisele Drive in order to improve access spacing and provide access to the potential future redevelopment of the current POE site. Brownell Boulevard will be the closest full access to the interchange on the north side of US 730. In the long-term, the remaining accesses in this segment of US 730 between the interchange and Umatilla River Road may be restricted to right-in/right-out access by a raised center median that will be constructed to address future operational and/or safety issues. The existing accesses onto the south side of US 730 on the west side of the interchange may remain as right-in/right-out accesses after the backage road is constructed and until redevelopment occurs. At this time a review of the accesses will determine whether they remain.

A similar approach is taken on the east side of the interchange as well. Access points will be consolidated when possible as properties redevelop. When possible access will be provided via public street connections, including both existing roadways and the future south side street network shown on Figure 7-6.

#### Eisele Drive

The access management plan for Eisele Drive is to move accesses as far south as is practical over time in order to minimize conflicts near its signalized intersection with US 730.

#### Brownell Boulevard

The access management plan for Brownell Boulevard is to not allow any accesses within the 250 feet of storage needed for left-turning traffic onto US 730 when it is realigned.

### ***Deviations to the Division 51 Access Management Standards***

A few accesses will not meet the applicable OAR Division 51 access spacing standard, and as such, deviations are required to address them. These deviations will be reviewed by the Region Access Management Engineer. Under the provisions, the Region Access Management Engineer may approve a deviation if:

- (a) Adherence to spacing standards creates safety or traffic operation problems;*
- (b) The applicant provides a joint approach that serves two or more properties and results in a net reduction of approaches to the highway;*
- (c) The applicant demonstrates that existing development patterns or land holdings make joint use approaches impossible;*
- (d) Adherence to spacing standards will cause the approach to conflict with a significant natural or historic feature including trees and unique vegetation, a bridge, waterway, park, archaeological area, or cemetery;*
- (e) The highway segment functions as a service road;*
- (f) On a couplet with directional traffic separated by a city block or more, the request is for an approach at mid-block with no other existing approaches in the block or the proposal consolidates existing approaches at mid-block; or*
- (g) Based on the Region Access Management Engineer's determination that:*
  - (A) Safety factors and spacing significantly improve as a result of the approach; and*
  - (B) Approval does not compromise the intent of these rules as set forth in OAR 734-051-0020 (Which states: The purpose of Division 51 rules is to provide a safe and efficient transportation system through the preservation of public safety, the improvement and development of transportation*

*facilities, the protection of highway traffic from the hazards of unrestricted and unregulated entry from adjacent property, and the elimination of hazards due to highway grade intersections.)*

The following is a description of the justification for deviation for each of the public accesses requiring a deviation.

#### Public Access to Eisele Drive

A deviation to the access spacing requirements identified in OAR Division 51 is required at the US 730/Eisele Drive (and future Brownell Boulevard) intersection, which is located approximately 1,050 feet west of the I-82 Southbound ramp terminal, as shown in Figure 7-6. As was mentioned above, a deviation may be approved if:

*(b) The applicant provides a joint approach that serves two or more properties and results in a net reduction of approaches to the highway;*

**Response:** Eisele Drive will provide access to properties on the south side of US 730, which will facilitate the consolidation of private accesses onto US 730. Brownell Boulevard will provide access to properties on the north side of US 730, ensuring that new accesses onto US 730 are not needed.

*(g) Based on the Region Access Management Engineer's determination that:*

*(A) Safety factors and spacing significantly improve as a result of the approach; and*

*(B) Approval does not compromise the intent of these rules as set forth in OAR 734-051-0020 (Which states: The purpose of Division 51 rules is to provide a safe and efficient transportation system through the preservation of public safety, the improvement and development of transportation facilities, the protection of highway traffic from the hazards of unrestricted and unregulated entry from adjacent property, and the elimination of hazards due to highway grade intersections.)*

**Response:** This access management plan improves the existing spacing to the nearest signalized intersection and meets the intent of the Division 51 rules as it reduces vehicle turning conflicts within the interchange access management area, and protects the flow of highway traffic traveling to/from the interchange by facilitating the consolidation of accesses.

#### Public Access to Scaplehorn Road

A deviation to the access spacing requirements identified in OAR Division 51 is required at the US 730/Scaplehorn Road (and future south side circulation road) intersection, which is located approximately 800 feet east of the I-82 Northbound ramp terminal, as shown in Figure 7-6. As was mentioned above, a deviation may be approved if:

*(b) The applicant provides a joint approach that serves two or more properties and results in a net reduction of approaches to the highway;*

**Response:** Scaplehorn Road provides access to properties on the north side of US 730, which will facilitate the consolidation of private accesses onto US 730 and ensure that new accesses are not needed. The new circulation roadway will provide access to properties on the south side of US 730, consolidating existing access and ensuring that new accesses onto US 730 are not needed.



**Section 8**  
Implementation Plan

## Implementation Plan

This section describes the IAMP implementation strategy, which includes an I-82/US 730 Interchange Function and Policy Definition and Management Area. The Implementation Plan also includes adoption and monitoring procedures that will ensure transportation improvements are constructed and funded as development occurs and that the improvement plan is updated as needed over time.



To ensure that the IAMP remains dynamic and responsive to changes to the adopted land use and transportation plans, the City of Umatilla, Umatilla County, and ODOT should, at a minimum:

- Amend their respective Transportation System Plans and Comprehensive Plans;
- Amend the Oregon Highway Plan (OHP);
- Codify and map an IAMP Management Area that defines the area wherein regulations and requirements associated with protecting the interchange apply;
- Coordinate planning activities pursuant to the Transportation Planning Rule (OAR 660-012);
- Review the IAMP and mobility standards for the interchange prior to adopting local plan amendments.

## PLAN ELEMENTS

In addition to adoption of the IAMP described in Section 7, implementation of the I-82/US 730 IAMP requires adoption of an “Interchange Function and Policy Definition” and IAMP Management Area.

### ***Interchange Function and Policy Definition***

The City of Umatilla and Umatilla County should adopt a clear definition of the I-82/US 730 Interchange function into their respective comprehensive plan and TSP as a policy to provide direction for management of the interchange area and achieve the objectives and goals of this IAMP. This will help to ensure consistency between future policy decisions with the interchange’s intended function.

The I-82/US 730 interchange provides connections between the I-82, US 730, and US 395 corridors. I-82 is a short, but significant interstate highway that connects the state of Washington to the I-84 corridor. I-82 is classified as an Interstate Highway by the Oregon Highway Plan (OHP) and designated as an Expressway and Statewide Freight Route. US 730 is a Regional Highway that provides regional connectivity between numerous local jurisdictions and the I-82/I-84 interstate highways.

Based on this description, the following function and policy definition was developed for the I-82/US 730 Interchange:

*“The primary transportation function of the I-82/US 730 interchange is to facilitate statewide, inter-urban, and inter-regional travel between I-82, US 730, and US 395. In addition to this primary function, the I-82/US 730 interchange provides east-west inter-regional connectivity across I-82 for the City of Umatilla and surrounding land uses. Beyond these primary functions, the interchange provides an inter-regional connection that supports local, regional, and state business interests.”*

### **IAMP Management Area**

The City of Umatilla is the land use regulatory authority for most of the IMSA; for land that is located outside of the City’s UGB, Umatilla County is the land use regulatory authority. To ensure the continued operation and safety integrity of the interchange, both the City of Umatilla should adopt an IAMP Management Area. Future development and land use actions within the IAMP Management Area will be monitored to ensure that volume-to-capacity ratios do not exceed the adopted Oregon Highway Plan mobility standards at the ramp terminals. This can be accomplished through Development Review guidelines included within the proposed amendments to the City’s Land Use and Development Ordinances as described in the following sections

### **ADOPTION ELEMENTS**

Implementation of the I-82/US 730 IAMP will occur at several levels of government. As required by OAR 734-051, the City of Umatilla and Umatilla County will be required to legislatively amend their Transportation System Plans and Comprehensive Plans to incorporate elements of the I-82/US 730 IAMP. In addition, new ordinances or amendments to existing ordinances, resolutions, and Inter-Governmental Agreements (IGAs) will be required to ensure that the access management, land use management, and coordination elements of the IAMP are achieved. This adoption process will include Planning Commission/City Council hearings at the city level and Planning Commission/County Board of Commissioners hearings at the County level. Following successful adoption at the City and County levels, the I-82/US 730 IAMP will be presented to the Oregon Transportation Commission (OTC) for its review and adoption. This should occur prior to transportation improvements as described in this IAMP being constructed.

To implement the I-82/US 730 IAMP, the following actions shall occur:

1. The City of Umatilla shall adopt the I-82/US 730 IAMP as part of the City of Umatilla Transportation System Plan and Comprehensive Plan. The IAMP, and more specifically the transportation improvements identified in Table 7-1 of Section 7, shall serve as the long range comprehensive management plan for providing the transportation facilities that are specifically addressed in this plan, as well as the Access Management Plan and the planned local street network for the area.
2. Umatilla County shall adopt the I-82/US 730 IAMP as part of the Umatilla County Transportation System Plan and Comprehensive Plan. The IAMP shall serve as the long range comprehensive management plan for providing the transportation facilities that are



specifically addressed in this plan, as well as the Access Management Plan and the planned local street network for the area.

3. The City of Umatilla shall amend its Comprehensive Plan Map and Zoning Map to include the IAMP Management Area boundary. In addition, the City shall amend the Land Use and Development Ordinance to include development and land use application requirements pertaining to transportation impact analysis, access management, and agency coordination.
4. Umatilla County shall amend its Comprehensive Plan Map and Zoning Map to include the IAMP Management Area boundary. In addition, the County shall amend the Land Use and Development Ordinance to include development and land use application requirements pertaining to transportation impact analysis, access management, and agency coordination.
5. ODOT Regional Access Management Engineer will review and approve the access deviations described in the IAMP.
6. The Oregon Transportation Commission shall amend the Oregon Highway Plan to include the I-82/US 730 IAMP.
7. The City of Umatilla, Umatilla County, and ODOT shall develop a Memorandum of Understanding (MOU) that specifies how the improvements identified in Table 7-1 of Section 7 will be addressed.

### **TSP Amendments**

The following outline discusses the major Transportation System Plan amendments that will need to occur at the city, county, and state levels to support adoption of the I-82/US 730 IAMP.

#### **City of Umatilla**

- The City shall adopt the I-82/US 730 Interchange Area Management Plan by reference as an element of the City's Transportation System Plan.
- The following interchange policy statement shall be included in the City of Umatilla Transportation System Plan: *"The primary transportation function of the I-82/US 730 interchange is to facilitate statewide, inter-urban, and inter-regional travel between I-82, US 730, and US 395. In addition to this primary function, the I-82/US 730 interchange provides east-west inter-regional connectivity across I-82 for the City of Umatilla and surrounding land uses. Beyond these primary functions, the interchange provides an inter-regional connection that supports local, regional, and state business interests."*
- The IAMP Transportation Improvement Plan, as illustrated in Figure 7-1 and listed in Table 7-1, shall be included in the recommended transportation improvements project list of the Transportation System Plan.

## **Umatilla County**

- The County shall adopt the I-82/US 730 Interchange Area Management Plan by reference as an element of the County's Transportation System Plan.
- Upon the County's adoption of the IAMP, parcels within the IMSA and outside the UGB will be subject to the IAMP's Access Management Plan.
- The following interchange policy statement should be included in the Umatilla County Transportation System Plan: *"The primary transportation function of the I-82/US 730 interchange is to facilitate statewide, inter-urban, and inter-regional travel between I-82, US 730, and US 395. In addition to this primary function, the I-82/US 730 interchange provides east-west inter-regional connectivity across I-82 for the City of Umatilla and surrounding land uses. Beyond these primary functions, the interchange provides an inter-regional connection that supports local, regional, and state business interests."*
- The IAMP transportation improvement plan elements located on County facilities, as illustrated in Figure 7-1 and listed in Table 7-1, shall be included in the recommended transportation improvements project list of the Umatilla County Transportation System Plan.
- The IAMP Access Management Plan elements as illustrated in Figure 7-6 shall be included in the transportation improvement project list of the Transportation System Plan

## **Oregon Transportation Commission**

- The I-82/US 730 IAMP shall be adopted by the Oregon Transportation Commission as part of the Oregon Highway Plan.

## **Other City Amendments**

The following outlines other major amendments that will need to occur at the city level to support adoption of the I-82/US 730 IAMP.

- The City shall amend the Umatilla Code to establish a Gateway Sub-District under the General Commercial (GC) zone that addresses potential future redevelopment of the Port of Entry (POE) site. This sub-district will require specific development standards and specify restricted uses.

## **MONITORING ELEMENTS**

The purpose of the IAMP is to ensure that capacity at the interchange is preserved for its intended function. While a long-range plan, the IAMP needs to remain dynamic and responsive to development and changes to the adopted land use and transportation plans and may need to be periodically reviewed and updated. To accomplish this goal, a monitoring program is included that identifies triggers for reviewing the IAMP and assessing how development approval within the IAMP Management Area will be reviewed and coordinated

### ***IAMP Review Triggers***

Periodically, the implementation program shall be evaluated by the City, ODOT, and County to ensure it is accomplishing the goals and objectives of the IAMP. Events that may trigger an IAMP review include:

- Plan map and zone changes within the IAMP Management Area that have a "significant affect" pursuant to the Transportation Planning Rule (TPR), Section -0060 and impact the I-82/US 730 Interchange, or proposed actions that meet the Traffic Impact Analysis conditions within the I-82/US 730 Interchange Overlay Zone.
- Designation of any proposed Multi-Modal Mixed Use Area (MMA) as defined in the TRP, Section -0060 that is located within the IAMP Management Area.
- Following relocation of the POE.
- The 95<sup>th</sup>-percentile westbound vehicle queue on US 730 exceeds two vehicles or backs into the I-82/US 730 Southbound ramp terminal.
- Mobility measures at the I-84 ramp terminals exceed the adopted volume-to-capacity ratios.

In addition to the established triggers for IAMP review, the agencies may request a review of the IAMP at any time if, in their determination, specific land use or transportation changes warrant a review of the underlying assumptions and/or recommendations within the IAMP. If the participants in the IAMP review meeting agree that, once the impacts of the "trigger" that necessitated the review are examined, an IAMP amendment is not warranted, a recommendation of "no action" may be documented and submitted in the form of a letter to the City of Umatilla City Council, Umatilla County Board of Commissioners, and the Oregon Transportation Commission.

If the findings and conclusions from the IAMP review meeting demonstrate the need for an update to the plan, review participants will initiate an IAMP update process. Initial steps in updating the IAMP will include scoping the planning process, identifying funding, and outlining a schedule for plan completion. Once completed, IAMP updates will be required to be legislatively adopted, requiring a City Council public hearing, as an amendment to the City of Umatilla Transportation System Plan and will be adopted by Umatilla County Board of Commissioners (if affected) and the Oregon Transportation Commission as an update to the Oregon Highway Plan

### ***Development Review within the Overlay District***

The following outlines the transportation requirements for development and zone change applications within the I-82/US 730 Interchange Overlay Zone and describes how The City of Umatilla and Umatilla County will coordinate with ODOT.

#### Traffic Impact Analysis

All development applications located within the I-82/US 730 Interchange Management Area that meet the following conditions are required to prepare and submit a Transportation Impact Analysis (TIA) to demonstrate the level of impact of the proposed development on the surrounding street system:

- a) A change in zoning or plan amendment designation; and
- b) The proposal is projected to cause one or more of the following effects, which can be determined by field counts, site observation, traffic impact analysis or study, field measurements, crash history, Institute of Transportation Engineers *Trip Generation* manual; and information and studies provided by the local reviewing jurisdiction and/or ODOT:
  - i) An increase in site traffic volume generation by 250 average daily trips (ADT) or more (or as required by the City Engineer). The latest edition of the *Trip Generation* manual, published by the Institute of Transportation Engineers (ITE) shall be used as standards by which to gauge average daily vehicle trips; or
  - ii) An increase in use of adjacent streets by vehicles exceeding the 20,000 pound gross vehicle weights by 10 vehicles or more per day; or
  - iii) The location of the access driveway does not meet minimum intersection sight distance requirements, or is located where vehicles entering or leaving the property are restricted, or vehicles queue or hesitate, creating a safety hazard; or
  - iv) A change in internal traffic patterns that may cause safety problems, such as back up onto the highway or traffic crashes in the approach area; or.
  - v) For development in the I-82/US 730 Interchange Area Management Plan (IAMP) Management Area, the location of the access driveway is inconsistent with the Access Management Plan in Section 7 of the IAMP

The determination of impact or effect, and the scope of the TIA, shall be coordinated with the City of Umatilla, Umatilla County, and ODOT. The developer shall be required to mitigate impacts attributable to the project.

#### ODOT Coordination

- The City shall consult the Oregon Department of Transportation (ODOT) on TIA requirements when the site of the proposal is adjacent to or otherwise affects a State roadway.
- The City shall provide written notification to ODOT once the application is deemed complete.
- ODOT shall have at least 20 days, measured from the date notice to agencies was mailed, to provide written comments to the City. If ODOT does not provide written comments during this 20-day period, the City staff report will be issued without consideration of ODOT comments.
- The County shall invite ODOT to participate in a pre-filing conference for applications within an Interchange Management Area Plan (IAMP) Management Area or within a ¼ mile of any ODOT facility.

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## **POE RELOCATION RELATED ACTIONS**

A major component of the I-82/US 730 IAMP centers on a potential future relocation of the POE. Given the uncertainty of the timing and the numerous logistical details that come with the relocation, it is expected that additional actions will need to be taken by the City of Umatilla, ODOT, and Umatilla County. For guidance purposes, the Implementation section of the IAMP has identified these likely next steps.

### ***Surplus Process***

When funding becomes available and the POE is relocated, the State of Oregon will be in a position to potentially sell the existing POE site for future redevelopment. In order for this to occur, the State will first have to declare the POE site as surplus property. It is recognized that declaring the POE site as surplus property is an important first step to ensuring redevelopment of the site and some of the associated infrastructure projects envisioned in the IAMP. The most significant infrastructure change involves the realignment of Brownell Boulevard. To ensure that the realignment takes place as envisioned, ODOT will follow the policies and procedures established in Chapter 9 of ODOT's Right of Way Manual.

### ***Brownell Realignment***

Because the necessary steps for a long-term Brownell realignment involve ODOT (owner of the POE site), City (governing jurisdiction), and Umatilla County (owner of the existing Brownell Boulevard), it is anticipated that all three jurisdictions will need address the following issues when the POE site is formally relocated and redevelopment of the POE site take place.

- Timing of jurisdictional transfer of the realigned Brownell Boulevard to the City. This jurisdictional transfer is outlined in Chapter 9 of ODOT's Right of Way Manual.
- The City will establish a funding mechanism that will ensure construction of the Brownell Boulevard realignment as part of the future redevelopment of the POE.
- Land Use Permitting for the POE site

## **DISCLAIMER**

The inclusion of proposed projects and actions in this plan does not obligate or imply obligations of funds by any jurisdiction for project level planning or construction. The inclusion of proposed projects and actions does serve as an opportunity for the projects to be included, if appropriate, in the State Transportation Improvement Program (STIP) and the local Capital Improvement Program (CIP), but such inclusion is not automatic. It is incumbent on the state, county, city, and general public to take action to encourage and support inclusion in the STIP of CIP at the appropriate time. Because a project must have actual identified funding to be included in the STIP or CIP, the ultimate number of projects that can be included in these documents is constrained by available funding. The state transportation system improvements projects that are expected to be funded by ODOT that are listed on the transportation improvement project list have no guaranteed funding at this

time and are not reasonably likely to be funded during the identified planning horizon for the purpose of addressing OAR 660-0012-0060.



**Section 9**  
OAR and OHP  
Compliance

## OAR and OHP Compliance

The following section discusses the Oregon Administrative Rule (OAR) and 1999 Oregon Highway Plan (OHP) policy based compliance issues that pertain to the development of the I-82/US 730 IAMP.

### OAR COMPLIANCE

The I-82/US 730 IAMP was developed in collaboration with the City of Umatilla, Umatilla County, and ODOT and was developed in accordance with the guidelines set forth in the State of Oregon's Oregon Administrative Rules for Interchange Access Management Planning and Interchange Area Management Planning. Table 9-1 identifies the required planning elements from OAR 734-051 and documents how the I-82/US 730 IAMP satisfies the requirements.

**TABLE 9-1 OAR 734-051 ISSUES ADDRESSED**

| <b>OAR 734-0051-0155 Requirement</b>   | <b>How Addressed</b>   | <b>Report Reference</b>                          |
|--|--|--|
| Should be developed no later than the time the interchange is being developed or redeveloped<br>-0155(7)(a)  | This plan was developed in order to determine the future improvements that would enhance the efficiency and safety of the interchange. The plan was completed before any of the identified improvements to the interchange moved into project development phases.                | Section 1  |
| Should identify opportunities to improve operations and safety in conjunction with roadway projects and property development or redevelopment and adopt strategies and development standards to capture those opportunities<br>-0155(7)(b) | The access management, transportation improvement plan, and overlay district elements identified in this plan will result in operational and capacity improvements.  | Section 7<br>Section 8                           |
| Should include short, medium, and long-term actions to improve operations and safety in the interchange area<br>-0155(7)(c)  | The IAMP includes a phasing plan for the transportation system improvements and access management elements that cover the short, medium, and long-term timeframes.   | Section 7<br>Section 8                           |
| Should consider current and future traffic volumes and flows, roadway geometry, traffic control devices, current and planned land uses and zoning, and the location of all current and planned approaches<br>-0155(7)(d)                   | A full analysis of existing and forecast (2030) operational and geometric conditions was conducted for this planning effort. The future volumes were developed based on current zoning and comprehensive plan designations. All approaches, existing and planned, were examined. | Section 4<br>Section 5<br>Section 6              |
| Should provide adequate assurance of the safe operation of the facility through the design traffic forecast period, typically 20 years<br>-0155(7)(e)  | The forecast analysis shows that safe operations will be achieved for the interchange through 2030.  | Section 6  |
| Should consider existing and proposed uses of all property in the interchange area consistent with its comprehensive plan designations and zoning<br>-155(7)(f)  | A thorough analysis of surrounding land uses and land use potential was performed based on the current comprehensive plan designations and zoning.   | Section 4<br>Section 5<br>Section 6<br>Section 7 |



| <b>OAR 734-0051-0155 Requirement</b>  | <b>How Addressed</b>   | <b>Report Reference</b>             |
|---|--|-------------------------------------|
| Is consistent with any applicable Access Management Plan, corridor plan or other facility plan adopted by the Oregon Transportation Commission-0155(7)(g)   | The I-82/US 730 Interchange Area Management Plan is consistent with the 1999 OHP. (See following subsection). No other applicable plans adopted by the OTC were identified.  | Section 3<br>Section 8              |
| Includes polices, provisions and standards from local comprehensive plans, transportation system plans, and land use and subdivision codes that are relied upon for consistency and that are relied upon to implement the Interchange Area Management Plan.<br><br>-155(7)(h) | Implementation of the IAMP is reliant upon the City of Umatilla and Umatilla County amending their respective Transportation System Plans to incorporate the transportation improvements associated with the IAMP. In addition, implementation of the IAMP will occur through the City of Umatilla and Umatilla County amending their Land Use and Development Ordinances to include an IAMP overlay district. The overlay district contains the submittal requirements and review standards for land use amendment and development proposals within the district; access management standards and local street connectivity requirements will be based on the IAMP.<br><br>Amendments will ensure that future development and land use actions within the interchange management area do not degrade the interchange terminal volume to capacity ratios below the adopted OHP mobility standards. These amendments include coordination between agencies, traffic impact analysis requirements, monitoring of traffic operations, and access management requirements. | Section 3<br>Section 7<br>Section 8 |

| <b>THE PLAN WILL DETERMINE</b>   |  |                         |
|--|--|-------------------------|
| <b>OAR 734-051-0155 Requirement</b>  | <b>Determination</b>   | <b>Report Reference</b> |
| Driveway and roadway spacing and connections   | The operational analysis considered all access points and intersections within approximately ½ mile from the existing I-82/US 730 Interchange, including all key intersections that have potential to affect traffic operations in the interchange area over the planning period. The resulting Access Management element moves toward the ¼ mile spacing requirement. | Section 7               |
| Local street connections to ensure adequate access to properties and off-highway circulation   | The IAMP maintains much of the existing local circulation network and includes improvements to it (Figure 7-1).  | Section 7               |
| Median treatments  | Median treatments are proposed for US 730 to meet ODOT access management standards (Figure 7-6).   | Section 7               |
| Location and type of traffic control devices needed to ensure safe and efficient operations in the operational area of the interchange | The I-82 Northbound ramp terminal will be signalized as part of the short-term improvements. Figure 7-1 shows all necessary traffic control within the IMSA.   | Section 7               |
| Location of sidewalks and bicycle lanes  | Sidewalks and bicycle lanes will be constructed with roadway improvements. Figure 7-1 shows the locations of future sidewalks and bicycle lanes.   | Section 6<br>Section 7  |
| Sidewalk and bicycle lane crossings (highway and ramp crossings)   | See above.   | See above               |
| Location of potential transit facilities   | Transit facilities were not considered as part of the IAMP   | NA                      |

| <b>THE PLAN WILL DETERMINE</b>  |   |                         |
|---|---|-------------------------|
| <b>OAR 734-051-0155 Requirement</b>   | <b>Determination</b>  | <b>Report Reference</b> |
| (turnouts, shelters, park and ride areas)   | because fixed route transit service does not exist nor is planned within the IMSA.  |                         |
| Is new policy language needed in the City of Umatilla and Umatilla County Comprehensive Plans to support adequate long-term interchange operations? | The City of Umatilla and Umatilla County will amend their respective comprehensive plans to include the overlay district. In addition, the City and County will amend its land use and development ordinance to implement the overlay district.   | Section 8               |
| Are any land use changes/comprehensive plan (including TSP) amendments needed to implement the Interchange Area Management Plan?                    | The City of Umatilla and Umatilla County will amend their respective Transportation System Plans to incorporate the transportation improvements associated with the IAMP.<br><br>The City of Umatilla and Umatilla County will amend their respective Land Use and Development Ordinances to include an Interchange Area Management Plan Overlay District that contains the submittal requirements and review standards for land use amendment and development proposals within the district.<br><br>Amendments will ensure that future development and land use actions within the interchange management area do not degrade the interchange terminal volume to capacity ratios below the adopted OHP mobility standards. These amendments include coordination between agencies, traffic impact analysis requirements, monitoring of traffic operations, and access management requirements. | Section 8               |
| Are any deviations from OHP and OAR 731-051 standards and requirements needed?  | Deviations to the OHP access spacing standards are required, as described in Section 7. The Access Management element describes how each of the necessary deviations meets the requirements of Division 51. The IAMP and Implementation Plan define all the necessary standards and requirements.   | Section 7<br>Section 8  |

## **OREGON HIGHWAY PLAN COMPLIANCE**

The I-82/US 730 IAMP was developed in accordance with the policies set forth in the Oregon Highway Plan (OHP). The following identifies the OHP policies that pertain to the I-82/US 730 IAMP and how the IAMP satisfies the requirements.

Policy 1A: State Highway Classification System. The state highway classification system includes five classifications: Interstate, Statewide, Regional, District, and Local Interest Roads. In addition, there are four special purpose categories that overlay the basic classifications: special land use areas, statewide freight route, scenic byways, and lifeline routes.

Within the IMSA, there are three ODOT highways. Interstate-82 is an Interstate Highway and is part of the National Highway System (NHS). US 730 is a Statewide Highway from the southbound I-82 ramp terminal east to US 395 and a Regional Highway west of the southbound terminal. US 395 is a Statewide Highway.

*How Addressed:* The I-82/US 730 IAMP recognized the respective functions of each highway. Relocating the POE will allow US 730 to serve its regional role, instead of all truck traffic.

The plan also includes accessory weigh facilities along US 730 and US 395, recognizing their need to serve freight traffic.

**Policy 1B: Land Use and Transportation.** This policy recognizes the role of both the State and local governments related to the state highway system and calls for a coordinated approach to land use and transportation planning.

*How Addressed:* The IAMP was developed through a cooperative planning effort between the City of Umatilla, Umatilla County, ODOT, and DLCD. The IAMP will be implemented by the City of Umatilla through an Interchange Management Overlay District that will require coordinated agency review on all future development or land use actions within the District.

**Policy 1C: State Highway Freight System.** This policy recognizes the need for the efficient movement of freight through the state. Interstate-82, US 395, and sections of US 730 are designated freight routes.

*How Addressed:* The transportation improvement plan improves traffic operations and safety along US 730 and at the interchange, which will ensure that freight mobility is preserved along the US 730 and US 395 corridors. The relocated POE along I-82 will also be able to more efficiently serve freight traffic than it is able to at its current location.

**Policy 1F: Highway Mobility Standards Access Management Policy.** This policy addresses state highway performance expectations, providing guidance for managing access and traffic control systems related to interchanges.

*How Addressed:* The I-82/US 730 IAMP demonstrates that the interchange will be able to meet ODOT mobility standards through the 20-year horizon. It also provides an access management element that improves access management within the IMSA.

**Policy 1G: Major Improvements.** This policy requires maintaining performance and improving safety by improving efficiency and management before adding capacity.

*How Addressed:* The I-82/US 730 IAMP provides measures to increase efficiency through access management and provides improvements to the local street system.

**Policy 2B: Off-System Improvements.** This policy recognizes that the state may provide financial assistance to local jurisdictions to make improvements to local transportation systems if the improvements would provide a cost-effective means of improving the operations of the state highway system.

*How Addressed:* Section 8 identifies a series of procedural steps that the City, County, and ODOT will take regarding improvements to the local circulation network, including the realignment of Brownell Boulevard. Specific access management responsibilities have been set according to State and City responsibilities.

Policy 2F: Traffic Safety. This policy emphasizes the state’s efforts to improve safety of all uses of the highway system. Action 2F.4 addresses the development and implementation of the Safety Management System to target resources to sites with the most significant safety issues.

*How Addressed:* The potential safety issues identified within the IMSA relate to queues spilling back from other intersections into the ramp terminals. The transportation improvement plan outlined in Section 7 addresses these issues. The access management element was also developed to ensure the long-term safety of the interchange area.

Policy 3A: Classification and Spacing Standards. This policy addresses the location, spacing and type of road and street intersections and approach roads on state highways. The adopted standards can be found in Appendix C of the Oregon Highway Plan.

*How Addressed:* See Policy 3C below.

Policy 3C: Interchange Access Management Areas. This policy addresses management of grade-separated interchange areas to ensure safe and efficient operation between connecting roadways. Action items include developing interchange area management plans to protect the function of the interchange to provide safe and efficient operations between connecting roadways and to minimize the need for major improvements of existing interchanges. The local jurisdiction’s role in access management is stated in Policy 3C as follows: “necessary supporting improvements, such as road networks, channelization, medians and access control in the interchange management area must be identified in the local comprehensive plan and committed with an identified funding source, or must be in place (Action 3C.2).”

Access management standards are detailed in Policy 3C and include the distance required between an interchange and approaches and intersections. The most stringent standards apply in interchange areas. Table 17 of the OHP contains the minimum spacing standards applicable to the I-82/US 730 Interchange, a freeway interchange that has a multi-lane crossroad. The spacing standards in an urban area for this type of interchange are:

|                    |  |
|--------------------|--|
| 1 miles (3.2 km)   | Distance between the start and end of tapers of adjacent interchanges.                                 |
| 750 feet (230 m)   | Distance to the first approach on the right (right in/right out only)                                  |
| 1,320 feet (400 m) | Distance to the first major intersection or approach (left turns allowed).                             |
| 990 feet (300 m)   | Distance between the last right in/right out approach road and the start of the taper for the on-ramp. |

*How Addressed:* The I-82/US 730 IAMP includes an access management element that consolidates access points and improves access spacing over the existing conditions. Ultimately, upon land redevelopment, access on either side will be improved but it will not meet the standards outlined above. Section 7 outlines where deviations will be necessary and describes how each of the necessary deviations meets the requirements of Division 51.

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Policy 4A: Efficiency of Freight Movement. This policy emphasizes the need to maintain and improve the efficiency of freight movement on the state highway system. Interstate-82, US 395, and sections of US 730 are designated Freight Routes.

*How Addressed:* The transportation improvement plan improves traffic operations and safety along US 730 and at the interchange, which will ensure that freight mobility is preserved along the US 730 and US 395 corridors. The relocated POE along I-82 will also be able to more efficiently serve freight traffic than it is able to at its current location.

Policy 5B: Scenic Resources. This policy applies to all state highways and commits the State to using best management practices to protect and enhance scenic resources in all phases of highway project planning, development, construction, and maintenance.

*How Addressed:* This policy was considered as part of the plan development.

**Section 10**  
References

## References

1. Oregon Department of Transportation. *1999 Oregon Highway Plan*. 1999
2. City of Umatilla. *City of Umatilla Transportation System Plan*. 1999.
3. Oregon Department of Transportation. *Analysis Procedures Manual*. 2006.
4. Transportation Research Board. *Highway Capacity Manual*. 2000.
5. Institute of Transportation Engineers. *Trip Generation (8th Edition)*. 2008.
6. Oregon Department of Transportation. *Highway Design Manual*. 2003.

**ORDINANCE NO. 766**

**AN ORDINANCE AMENDING THE CITY OF UMATILLA COMPREHENSIVE PLAN, THE TRANSPORTATION SYSTEM PLAN, THE UMATILLA DEVELOPMENT CODE, THE COMPREHENSIVE PLAN MAP AND ZONING MAP BY THE ADOPTION OF THE I-82/US 730 INTERCHANGE AREA MANAGEMENT PLAN.**

**WHEREAS**, the City of Umatilla and the Oregon Department of Transportation are contemplating improvements to state and local transportation facilities near the Interstate 82/US 730 interchange to address safety, congestion and substandard facility issues, and;

**WHEREAS**, Oregon Administrative Rules (OAR) 734-051-0155(2) and (7) requires ODOT to work with local governments to develop an Interchange Area Management Plan (IAMP) prior to construction of significant modifications to existing interchanges, and the IAMP be consistent with local plans and codes, and;

**WHEREAS**, the I-82/US 730 IAMP describes in detail the improvements, and associated ODOT access control management, ODOT and the City of Umatilla are contemplating, and;

**WHEREAS**, adoption of the I-82/US 730 Interchange Area Management Plan as a refinement to the City of Umatilla Transportation System Plan is necessary prior to construction of the improvements, and;

**WHEREAS**, the I-82/US 730 IAMP is consistent with the Umatilla Comprehensive Plan, and;

**WHEREAS**, the I-82/US 730 IAMP is consistent with all pertinent goals and policies, including Statewide Planning Goals, Oregon Administrative Rule 660 Division 12 Transportation Planning Rule, Oregon Administrative Rules 731-015-0065 Coordination Procedures for Adopting final Facility Plans, Oregon Administrative Rule 734 Division 51 Highway Approaches, Access Control, Spacing Standards and Medians, as established in the Staff Report (Attachment "E"), and;

**WHEREAS**, The Umatilla Planning Commission, after conducting a public hearing on November 17, 2011, approved the I-82/US 730 IAMP forwarding a recommendation to the Umatilla City Council to approve the plan forwarded by the Commission, and;

**WHEREAS**, the Umatilla City Council held a public hearing on the I-82/US 730 IAMP on Tuesday December 6, 2011 to obtain additional public input on the plan.

THE CITY OF UMATILLA DOES ORDAIN THAT THE FOLLOWING CHANGES WILL BE MADE TO THE CITY OF UMATILLA'S COMPREHENSIVE PLAN, TRANSPORTATION SYSTEM PLAN AND DEVELOPMENT CODE:

**Section 1.** The I-82/US 730 Interchange Area Management Plan dated September 2011, to the City Council be approved and adopted.

**Section 2.** The establishment of an Interchange Area Management Area on the Comprehensive Plan Map and Zoning Map as identified in Attachment "A" be approved and adopted.

**Section 3.** The establishment of the Gateway Sub-District on the Comprehensive Plan Map and Zoning Map as identified in Attachment "A" be approved and adopted.

**Section 4.** The language changes to the Umatilla Development Code in Title 10 Chapter 4C-6, included as Attachment "B", and Chapter 11, included as Attachment "C", and Chapters 8, 13, 14 and Title 11, included as Attachment "D" be approved and adopted.

**Section 5.** The City Council Approves and Adopts the I-82/US 730 Interchange Area Management Plan, the Map and Development Code language changes as noted in the Staff Report on the Interchange Area Management Plan including all attachments of the report.

**PASSED** and **ADOPTED** by the City Council the 6<sup>th</sup> day of December, 2011.

Voting yes, Council Members: Mary Detrick, Bill Meade, George Fenton,

Lyle Smith and Steve Johnson.

Voting no, Council Members: \_\_\_\_\_

Absent Council Members: Dick Stokoe

Abstaining Council Members: \_\_\_\_\_

And **SIGNED** by the Mayor the 6<sup>th</sup> day of December, 2011.

  
PAT LAFFERTY, MAYOR

ATTEST:

  
Linda Gettmann, City Recorder

## Attachment B

### Proposed Amendments to the City of Umatilla Code

The proposed amendment language is provided in adoption-ready form for the City of Umatilla. Language proposed for addition is indicated by underlined text, and language proposed for deletion by ~~strike-through text~~.

## TITLE 10 ZONING

### ARTICLE C. GENERAL COMMERCIAL (GC)

#### 10-4C-1: PURPOSE:

The General Commercial District provides areas for a full range of commercial uses, and is especially intended to accommodate those uses which require large sites and high visibility. General Commercial areas should be located along major travel routes and at major intersections, but not in the downtown. (Ord. 688, 6-15-1999)

#### 10-4C-2: USES PERMITTED:

The following uses and their accessory uses are permitted in the GC District:

Apartments on the second floor or above, provided the ground floor is occupied by a commercial use.

Commercial uses that are not conducted wholly within an enclosed building, including uses that require outdoor storage or display of products such as lumberyards, motor vehicle sales lots, and plant nurseries.

Commercial uses which are conducted wholly within an enclosed building. Temporary outside displays and promotional activities directly related and subordinate to the primary business are acceptable. (Ord. 688, 6-15-1999)

#### 10-4C-3: CONDITIONAL USES PERMITTED:

In a GC District, the following uses and their accessory uses may be permitted subject to the provisions of Chapter 12 of this Title:

Automobile service station.

Community Services uses as provided by Chapter 6 of this Title.

Recreational vehicle park. (Ord. 688, 6-15-1999)

#### 10-4C-4: DEVELOPMENT STANDARDS:

A. At least ten percent (10%) of the site shall be landscaped. Landscaping shall be used to promote an attractive and inviting appearance.

- B. Storage areas shall be screened from view with a six foot (6') high sight-obscuring fence or similar barrier of vegetation, masonry, or a combination of fence, vegetation, and barrier.
- C. Yard setbacks adjacent to a residential district may be reduced to zero if screening elements are provided that create a buffer for noise, lights and glare, dust, odor, and similar effects.

**DIMENSIONAL STANDARDS**

|  |   |
|--|---|
| Minimum lot area   | 5,000 square feet                                       |
| Minimum lot width  | 50 feet   |
| Minimum yard setbacks:                                     |   |
| Front yard   | 10 feet   |
| Side yard  | 0 feet or 20 feet if adjacent to a residential district |
| Side street yard   | 10 feet   |
| Rear yard  | 0 feet or 20 feet if adjacent to a residential district |
| Parking area   | 10 feet   |
| Maximum building height                                    | 35 feet   |
| Maximum site coverage<br>(building and impervious surface) | 90 percent  |
| (Ord. 688, 6-15-1999)                                      |   |

**10-4C-5: LIMITATIONS ON USE:**

All uses are subject to site review, which shall determine the sufficiency of screening elements, landscaping location, and other design features. (Ord. 688, 6-15-1999)

10-4C-6: Gateway Sub-District

- A. Applicability. The provisions of Section 10-4C-6 shall be applicable only to development on the Port of Entry site (5N2817AD Tax Lot 100; 5N2817AA Tax Lot 701; 5N2816BB Tax Lots 8700, 8600, 8200, 8000, 7800; 5N2816BC Tax Lot 100). The provisions and requirements of Article C General Commercial shall be applicable to this site, except as modified in Section 10-4C-6.
- B. Development Approval. Development proposals within the Gateway Sub-District must reflect and implement the realignment of Brownell Boulevard as planned for in the I-82/US 730 Interchange Area Management Plan (IAMP). Narratives, plans, and drawings submitted pursuant to Section 10-13-2 Site Review for development proposals within the Gateway Sub-District must collectively address the location, timing, and financing of the realignment of Brownell Boulevard through the site, consistent with the (IAMP).
- C. Conditional Uses Permitted. In the Gateway Sub-District, the following uses and their accessory uses may be permitted subject to the provisions of Chapter 12 of this Title:
  - 1. Drive through uses
  - 2. Community Service uses

3. Residential uses, provided the ground floor street frontage is occupied by commercial use.

D. Uses Prohibited. The following uses are prohibited in the Gateway Sub-District:

1. Commercial uses that are not conducted wholly within an enclosed building, including uses that require outdoor storage or display of products such as lumber yards and plant nurseries. Outdoor seating that is secondary to an eating establishment use is an exception and shall be permitted.
2. Automobile service station
3. Junk yard (scrap yard, recycling station)
4. Manufactured home sales
5. Modular home sales
6. Motor vehicle sales lots, including recreational vehicle sales
7. Self service storage
8. Tire store
9. Truck stop
10. Vehicle repair

E. Development Standards.

1. Setbacks:

Maximum front and side yard setback: 10 feet

Minimum setback: 0 feet

Build-to line. 0 ft; at least one primary building entrance shall be built no farther from the street right-of-way than the build-to line; except where a greater setback is required for a Planned Street Improvement, then the build-to line increases proportionately. The build-to line may be increased through Site Review when pedestrian amenities are provided between a primary building entrance and the street right-of-way.

2. Building orientation. Buildings shall have at least one primary entrance oriented toward the street. New buildings located adjacent to the realigned Brownell Boulevard shall be designed with building fronts, which include display windows, facing the street.
3. Maximum building height: 35 feet
  - a. Maximum building height may be adjusted through the Site Review process if approved by the Umatilla Rural Fire Protection District.

4. Parking. Parking shall not be located between the building and a public street.
5. Landscaping.
  - a. A minimum of ten percent (10%) of lot area shall be devoted to landscaping. The minimum dimension of any landscaped area shall be five feet (5'). Landscaping shall be located between a structure and the fronting street, or as best provides a pleasant environment for pedestrians. Required landscaping in parking areas may contribute to the 10% requirement.
  - b. Parking areas. A minimum of 10 percent (10%) of the total surface area of all parking areas, as measured around the perimeter of all parking spaces and maneuvering areas, shall be landscaped. Such landscaping shall consist of "evenly distributed" shade trees and shrubs and/or ground cover plants. "Evenly distributed" means that the trees and other plants are distributed around the parking lot perimeter and between parking bays to provide a partial canopy. At a minimum, one tree per [6] parking spaces on average shall be planted to create a partial tree canopy over and around the parking area. All parking areas with more than [20] spaces shall include landscape islands with trees to break up the parking area into rows of not more than [12] contiguous parking spaces. All parking area landscapes shall have dimensions of not less than 24 square feet of area, or not less than 4 feet in width by 6 feet in length, to ensure adequate soil, water, and space for healthy plant growth.
  - c. At least seventy-five percent (75%) of the required landscape area must be covered by plant material, lawn, and trees. Pedestrian amenities, such as benches, plazas, fountains, and sculptures, may replace up to ten percent (10%) of the required vegetative area.
  - d. Maintained landscaped areas shall be provided with automatic irrigation unless a qualified landscape professional certifies that plants will survive without irrigation.
6. Lighting.
  - a. Parking areas shall have lighting to provide at least 2 foot-candles of illumination over parking spaces and walkways. Light standards shall be directed downward only and shielded to prevent lighting spillover into any adjacent residential district or use.
  - b. Pedestrian-oriented lighting shall be required on the Brownell Boulevard re-alignment. Lighting shall be similar in scale and design to example shown in Figure 10-1.

- c. Lighting fixtures shall be limited to heights of 24 ft. for parking lots and 16 ft. for pedestrian walkways.

**Figure 10-1: Pedestrian-oriented Lighting Examples**



*Source: SERA Architects, Inc.*

## Attachment C

The proposed amendment language is provided in adoption-ready form for the City of Umatilla. Language proposed for addition is indicated by underlined text, and language proposed for deletion by ~~strike-through text~~.

### CHAPTER 11 SUPPLEMENTARY PROVISIONS

#### **10-11-10: TRAFFIC IMPACT ANALYSIS (TIA):**

- A. Purpose: The purpose of this section of the code is to implement Section 660-012-0045 (2) (e) of the State Transportation Planning Rule that requires the City to adopt a process to apply conditions to specified land use proposals in order to minimize adverse impacts to and protect transportation facilities. This section establishes the standards for when a proposal must be reviewed for potential traffic impacts; when a Traffic Impact Analysis must be submitted with an application in order to determine whether conditions are needed to minimize impacts to and protect transportation facilities; what must be in a Traffic Impact Analysis; and who is qualified to prepare the analysis.
- B. Applicability: A Traffic Impact Analysis shall be required to be submitted to the City with a land use application, when the following conditions apply:
1. The application involves one or more of the following actions:
    - a. A change in zoning or plan amendment designation; and
    - b. The proposal is projected to cause one or more of the following effects, which can be determined by field counts, site observation, traffic impact analysis or study, field measurements, crash history, Institute of Transportation Engineers Trip Generation manual; and information and studies provided by the local reviewing jurisdiction and/or ODOT:
      - 1) An increase in site traffic volume generation by 250 Average Daily Trips (ADT) or more (or as required by the City Engineer). The latest edition of the Trip Generation manual, published by the Institute of Transportation Engineers (ITE) shall be used as standards by which to gauge average daily vehicle trips; or
      - 2) An increase in use of adjacent streets by vehicles exceeding the 20,000 pound gross vehicle weights by 10 vehicles or more per day; or
      - 3) The location of the access driveway does not meet minimum intersection sight distance requirements, or is located where vehicles entering or leaving the property are restricted, or vehicles queue or hesitate, creating a safety hazard; or

- 4) A change in internal traffic patterns that may cause safety problems, such as back up onto the highway or traffic crashes in the approach area; or
- 5) For development in the I-82/US 730 Interchange Area Management Plan (IAMP) Management Area, the location of the access driveway is inconsistent with the Access Management Plan in Section 7 of the IAMP.

### C. Traffic Impact Analysis Requirements

1. Preparation. A Traffic Impact Analysis shall be prepared by an Oregon Registered Professional Engineer that is qualified to perform traffic engineering analysis and will be paid for by the applicant.
2. Transportation Planning Rule Compliance. See Section 10-13-3 Amendments to the Zoning Text or Map.
3. Pre-application Conference. The applicant will meet with the Umatilla Public Works Director and Planning Director prior to submitting an application that requires a Traffic Impact Analysis. The City has the discretion to determine the required elements of the TIA and the level of analysis expected. The City shall also consult the Oregon Department of Transportation (ODOT) on analysis requirements when the site of the proposal is adjacent to or otherwise affects a State roadway.

### D. Approval Criteria: When a Traffic Impact Analysis is required, approval of the proposal requires satisfaction of the following criteria:

1. Traffic Impact Analysis was prepared by an Oregon Registered Professional Engineer qualified to perform traffic engineering analysis;
2. If the proposed action shall cause a significant effect pursuant to the Transportation Planning Rule, or other traffic hazard or negative impact to a transportation facility, the Traffic Impact Analysis shall include mitigation measures that meet the City's Level-of-Service and/or Volume/Capacity standards and are satisfactory to the City Engineer, and ODOT when applicable; and
3. The proposed site design and traffic and circulation design and facilities, for all transportation modes, including any mitigation measures, are designed to:
  - a. Have the least negative impact on all applicable transportation facilities;
  - b. Accommodate and encourage non-motor vehicular modes of transportation to the extent practicable;
  - c. Make the most efficient use of land and public facilities as practicable;
  - d. Provide the most direct, safe and convenient routes practicable between on-site destinations, and between on-site and off-site destinations; and

e. Otherwise comply with applicable requirements of the City of Umatilla Code.

E. Conditions of Approval: The City may deny, approve, or approve a proposal with appropriate conditions.

1. Where the existing transportation system is shown to be impacted by the proposed action, dedication of land for streets, transit facilities, sidewalks, bikeways, paths, or access ways may be required to ensure that the transportation system is adequate to handle the additional burden caused by the proposed action.

2. Where the existing transportation system is shown to be impacted by the proposed action, improvements such as paving, curbing, installation or contribution to traffic signals, construction of sidewalks, bikeways, access ways, paths, or streets that serve the proposed action may be required.

## Attachment D

The proposed amendment language is provided in adoption-ready form for the City of Umatilla. Language proposed for addition is indicated by underlined text, and language proposed for deletion by ~~strike through text~~.

### CHAPTER 8 PLANNED DEVELOPMENT (PD)

#### 10-8-9: APPROVAL CRITERIA:

The Planning Commission shall approve, approve with conditions, or deny the application based upon its findings. The Planning Commission shall find that the following criteria have been met, in addition to criteria and standards of Chapter 12 of this Title or Title 11 of this Code, as applicable. Any conditions shall be directly related to an identified deficiency in the proposed plan.

- A. There are special physical conditions of the site or objectives of the development that justify the modification of standards and densities allowed by a planned development. The physical conditions or objectives shall be identified and related to the purposes of the planned development.
- B. The site design provides for open spaces through efficient design and layout of the development. The open space is designed to preserve natural features on the site or function as passive or recreational area within the development.
- C. Proposed streets, sidewalks, and pathways in the development are adequate for the anticipated traffic and for emergency services vehicles. In the I-82/US 730 Interchange Area Management Plan (IAMP) Management Area, proposed access shall be consistent with the Access Management Plan in Section 7 of the IAMP.
- D. The site design provides for adequate light, air, and privacy, to secure safety from fire, flood, and other danger, and to prevent overcrowding of the land.
- E. Any modifications to site development standards or public works standards support the objectives of this Chapter and other provisions of this Code; are justified by conditions of the site or objectives of the proposal; and satisfy emergency access requirements.

### CHAPTER 13 OTHER PERMITS AND ACTIONS

#### 10-13-2: SITE REVIEW:

- B. Application:

1. Submission: The applicant shall submit at least six (6) copies of a narrative, plans, and drawings that describe the proposed development. A Traffic Impact Analysis (TIA), as established in Section 10-11-10, shall also be submitted pursuant to applicability requirements in Section 10-11-10 (B). Information specified by Chapter 14 of this Title and this Section may be combined and provided in narrative form or on plans and maps so long as required information is clear and understandable. Additional copies of documents and plans will be required for a Type III review.

...

4. Access Standards For All Uses:

- i. Review By The Oregon State Department Of Transportation: Any application that involves access to the State Highway System shall be reviewed by the Oregon Department of Transportation for conformance with State access management standards. In the I-82/US 730 Interchange Management Area Plan (IAMP) Management Area, proposed access shall be consistent with the Access Management Plan in Section 7 of the IAMP.

### **10-13-3: AMENDMENTS TO THE ZONING TEXT OR MAP:**

- C. Narrative, Identification Required: An application shall include a narrative that demonstrates compliance with the approval criteria and a site and vicinity map identifying the property and adjacent properties. A Traffic Impact Analysis (TIA), pursuant to Section 10-11-10, shall also be submitted with all plan and zoning amendment applications.

- D. Approval Criteria: An amendment to this Title or Official Map shall comply with the following criteria:

1. The proposed designation is consistent with and supports the purposes of the portions of the City's Comprehensive Plan not proposed for amendment, or circumstances have changed to justify a change in the Comprehensive Plan.
2. The proposed change will not affect the land supply for the existing zoning designation as related to projected need for the particular land use.
3. The proposed designation will not negatively impact existing or planned public facilities and services. In particular, pursuant to the Oregon Transportation Planning Rule, proposed text and map amendments shall determine whether the proposed change will significantly affect a collector or arterial transportation facility and must comply with the requirements of Oregon Administrative Rule (OAR) 660-012-0060 as applicable. In the I-82/US 730 Interchange Management Area Plan (IAMP) Management Area, proposed access shall be consistent with the Access Management Plan in Section 7 of the IAMP.
4. The site is suitable for the proposed use, considering the topography, adjacent streets, access, size of the site, availability of public facilities, and any other pertinent physical features.

5. Other sites in the City or the vicinity are unsuitable for the proposed use. In other words, ownership and desire to develop a particular use in themselves provide insufficient rationale for changing a zoning designation that does not support the interests of the City as a whole.

## **CHAPTER 14**

### **ADMINISTRATIVE PROVISIONS**

#### **10-14-2: SUMMARY OF THE CITY'S DECISION-MAKING PROCESSES:**

- B. Type II decisions involve the exercise of limited interpretation and discretion in evaluating approval criteria. Applications evaluated through this process are assumed to be allowed in the underlying district. The review focuses on what form the use will take or how it will look. Notice of application and an invitation to comment is mailed to the applicant and property owners within one hundred feet (100'). When the application pertains to a parcel or parcels in the I-82/US 730 Interchange Management Area Plan (IAMP) Management Area, the City shall provide written notification to ODOT when the application is deemed complete. The City Administrator accepts comments for fourteen (14) days and renders a decision.
- C. Type III decisions involve the greatest amount of discretion and evaluation of subjective approval standards. Applications evaluated through this process include conditional use permits, preliminary planned unit development plans, variances, code interpretations, and similar determinations (the process for these land use decisions is controlled by Oregon Revised Statutes 197.763). Notice of the application and the Planning Commission hearing is published in the newspaper of record and mailed to the applicant, property owners within one hundred feet (100'), and interested agencies. When the application pertains to a parcel or parcels in the I-82/US 730 Interchange Management Area Plan (IAMP) Management Area, the City shall provide written notification to ODOT when the application is deemed complete. Notice must be issued at least twenty (20) days before the hearing and the staff report must be available at least seven (7) days before the hearing.
- D. Type IV decisions include only annexations and both legislative and quasi-judicial amendments to the Comprehensive Plan text and Map or to the Zoning Ordinance text and Map. These applications involve the greatest amount of discretion and evaluation of subjective approval criteria. The process for these land use decisions is controlled by Oregon Revised Statutes 197.763. Notice of the application and Planning Commission hearing is published and mailed to the applicant, property owners within one hundred feet (100'), and interested agencies. When the application pertains to a parcel or parcels in the I-82/US 730 Interchange Management Area Plan (IAMP) Management Area, the City shall provide written notification to ODOT when the application is deemed complete. Notice must be issued at least twenty (20) days before the hearing and the staff report must be available at least seven (7) days before the hearing.

#### **10-14-3: PREAPPLICATION CONFERENCE:**

A. Recommendation: Prior to submitting an application for a permit, the City recommends that an applicant schedule and attend a pre-application conference with the staff to discuss the proposal. The City Administrator may waive this requirement if the scale of the project does not warrant a meeting.

B. Requirement: Pre-application conferences are required for applications for which a Traffic Impact Analysis (TIA) is required, pursuant to Section 10-11-10.

BC. Scheduling And Request For Comments

CD. Caveat

#### **10-14-4: APPLICATION:**

A permit application may only be initiated by the record property owner or contract purchaser, the City Council, or the Planning Commission. The City will not accept an application without the signed authorization from all record owners.

B. A complete application includes all the materials listed in this Section and any specific information requested for a particular permit. The City Administrator may waive the submission of any of the materials if not deemed to be applicable to the specific review sought. Likewise, within thirty (30) days of submission of the application, the City Administrator may require additional information beyond that listed in this subsection, such as a Traffic Impact Analysis (TIA) pursuant to requirements in Section 10-11-10 ~~traffic report~~ or other study prepared by an appropriate expert. The applicant is responsible for the completeness and accuracy of the application and all supporting documentation.

4. A site plan or plans and a vicinity map, drawn to scale. The site plan shall include at least the following features, along with any other information necessary to understand the proposal...

c. Rights of way abutting the site, whether public or private, and access to the site. In the I-82/US 730 Interchange Management Area Plan (IAMP) Management Area, proposed access shall be consistent with the Access Management Plan in the IAMP (Section 7).

**TITLE 11  
LAND DIVISIONS**

**CHAPTER 2  
PRELIMINARY LAND DIVISION REQUIREMENTS AND  
PROCEDURES**

**11-2-3: APPLICATION REQUIREMENTS FOR LAND DIVISIONS:**

Applications for land division or lot line adjustment shall be submitted on forms provided by the City, accompanied by a tentative plan showing the design of the proposed land division and supporting documents, with the prescribed fee.

B. Information Requirements: The following information shall be included on the tentative plan or on supplemental materials submitted with the tentative plan:

1. The plan shall show the location, width, names, approximate grades of all streets within and adjacent to the proposed land division. The plan shall include any streets shown on any plan adopted by the City or relevant parts of any adopted future street plan to assure adequate traffic circulation. If no future street plan has been adopted for the land division site, such a plan shall be submitted with the application that shows potential street extensions and lotting patterns for a distance of at least six hundred feet (600') from the land division boundaries. In the I-82/US 730 Interchange Management Area Plan (IAMP) Management Area, proposed access shall be consistent with the Access Management Plan in Section 7 of the IAMP.

...

25. A future street plan, when required.

26. A Traffic Impact Analysis (TIA), pursuant to requirements in Section 10-11-10.

~~26~~7. Additional information may be required by the City to ensure compliance with the provisions of this Title, Title 9, and Title 10 of this Code.

**11-2-4: REVIEW PROCEDURES:**

The approval authority may approve, deny, modify, or approve with conditions any application. Decisions by the City Administrator may be appealed to the Planning Commission. Decisions by the Planning Commission may be appealed to the City Council. Notice will be provided for public hearings as required by State law.

B. Tentative Plans For Land Divisions:

4. Agency Notice: The City Administrator shall furnish copies of an application for tentative plan, along with any supplementary information, to County, State, or Federal agencies that may have an interest in the proposal. When the application pertains to a parcel or parcels in the I-82/US 730 Interchange Management Area Plan (IAMP)

Management Area, the City shall provide written notification to ODOT when the application is deemed complete. These officials shall have fourteen (14) days to review the application and to suggest any revisions or requirements that are in the public interest. Comments shall be provided to the City in writing.

### **11-2-6: LAND DIVISION APPROVAL CRITERIA:**

No plat for a subdivision or partition may be considered for approval until the City has approved a tentative plan. Approval of the tentative plan shall be binding upon the City and the applicant for the purposes of preparing the subdivision or partition plat. In each case, the applicant bears the burden of proof to demonstrate that the proposal satisfies applicable criteria and standards.

A. Approval Criteria: Land division tentative plans shall only be approved if found to comply with the following criteria:

1. The proposal shall comply with the City's Comprehensive Plan.
2. The proposal shall comply with the I-82/US 730 Interchange Management Area Plan (IAMP) and the Access Management Plan in the IAMP (Section 7) as applicable.
- ~~23.~~ The proposal shall comply with the City's zoning requirements.
- ~~34.~~ The proposal shall comply with the City's Public Works Standards.
- ~~45.~~ The proposal shall comply with applicable State and Federal regulations, including, but not limited to, Oregon Revised Statutes 92, 197, 227, and wetland regulations.
- ~~56.~~ The proposal shall conserve inventoried natural resource areas and flood plains, including, but not limited to, mapped rivers, creeks, sloughs, and wetlands.
- ~~67.~~ The proposal shall minimize disruption of natural features of the site, including steep slopes or other features, while providing for safe and efficient vehicle, pedestrian, and bicycle access.
- ~~78.~~ The proposal shall provide adjacent lands with access to public facilities and streets to allow its full development as allowed by the City's codes and requirements.
- ~~89.~~ The proposal shall be designed with streets that continue or connect to existing and planned land division plats on adjoining properties. All proposed streets shall comply with standards of this Title and the Public Works Standards.
- ~~910.~~ The City's decision on a land division application shall include written findings for each required dedication or improvement that identify the legitimate governmental purpose, the relationship between the purpose and the exaction, and the rough proportionality in nature and extent, between the requirement and the projected impacts of the proposed development.

**CITY OF UMATILLA PLANNING COMMISSION**

**Staff Report**

**Application #CPA-1-2012**

**November 17, 2011**



**Background**

The City of Umatilla and the Oregon Department of Transportation initiated an Interchange Area Management Plan (IAMP) study to establish an IAMP for the Interstate 82 interchange with US 730. The development of the I-82/US 730 IAMP began in January 2010 with the first meeting of the consultant team and City and ODOT staff. Work with the Technical Advisory Committee (TAC) and the Public Advisory Committee (PAC) began shortly thereafter in February 2010. Since February 2010, these groups participated in an extensive process that involved reviewing existing and future transportation conditions, future land use analyses, interchange design and local access and circulation concepts, and financing options. Additionally, the City of Umatilla Planning Commission has developed language for a proposed overlay zone for the existing Port of Entry site.

The Final Draft of the IAMP and draft language for the Umatilla Development Code to implement the Final Draft of the IAMP was presented September 13<sup>th</sup>, 2011 to the TAC and PAC at a public workshop. The IAMP and draft code language is now at the Planning Commission hearing stage in the Comprehensive Plan Amendment process. The Planning Commission will gather testimony from the public on the approval and implementation of the IAMP and will forward a recommendation to the City Council for their consideration at a hearing scheduled for December 6<sup>th</sup>, 2011.

**Overview of Existing Conditions**

The signalized intersections of Brownell Boulevard/US 730 and the southbound I-82/US 730 terminal are located within close proximity of one another resulting in undesirable Operations. The signals have been coordinated in an effort to improve intersection operations. Nevertheless, queuing problems associated with truck traffic accessing the Umatilla Port of Entry (POE) weigh station continue to occur at the two intersections. This condition varies by season due to the increase of truck traffic during mid-summer and fall harvests.

The Port of Entry and weigh station is located on the northwest corner of Brownell Boulevard/US 730 intersection which coincides with the northwest quadrant of the I-82/US 730 interchange. A truck stop, restaurant, fueling station and other commercial development is located in the southwest quadrant. East of the interchange is primarily vacant land within the City of Umatilla Urban Growth Area. This land is zoned exclusive farm use, tourism commercial or public facilities. The City is interested in the economic development potential of this area and would like to develop a local street network plan that supports the safe and efficient operation of the interchange and the US 730/US 395 intersection located within the interchange influence area.

## **Applicant's Proposal**

The City of Umatilla is the applicant for this proposal. The proposal is to legislatively amend the Transportation System Plan and Comprehensive Plan of the City of Umatilla to incorporate the IAMP in the City's adopted long range plan and to amend the Umatilla Development Code to incorporate the overlay zone for the Port of Entry site and establish the IAMP Management Area boundary. The IAMP identifies a local street network, access management, and specific roadway and interchange improvements that, upon adoption will become the long range transportation plan for the area identified as the Interchange Management Study Area (identified by a black dotted line on the proposed amended Comprehensive Plan Map). **The proposed amended to the Comprehensive Plan Map is included as Attachment "A".**

The proposal includes actions to implement the IAMP, including establishing a Gateway Sub-District on the City's Comprehensive Plan Map and Zoning Map. Associated changes to the Umatilla Development Code will apply to the properties within the Gateway Sub-District. **The proposed zoning map changes indicating the Gateway Sub-District are shown on Attachment "A".**

The City will establish an overlay district by addition of Title 10 Chapter 4C Section 6 "Gateway Sub-District", which identifies the requirements of development approval within the district. **10-4C-6 has been included as Attachment "B".**

The City will amend the Umatilla Development Code by adding Section 10 Traffic Impact Analysis to Title 10 Chapter 11 to clarify traffic impact review and traffic study requirements. **10-11-10 is included as Attachment "C".**

The City will amend the Umatilla Development Code by clarifying throughout the code that all development and land use decisions within the IAMP Management Area will be coordinated with the Oregon Department of Transportation and consistent with the provisions of the I-82/US 730 IAMP. The City will also amend the Umatilla Development Code buy clarifying throughout the code the requirements for a Traffic Impact Analysis. **These portions of the code to be updated are included as Attachment "D".**

The following interchange policy statement shall be included in the City of Umatilla Transportation System Plan: *"The primary transportation function of the I-82/US 730 interchange is to facilitate statewide, inter-urban, and inter-regional travel between I-82, US 730, and US 395. In addition to this primary function, the I-82/US 730 interchange provides east-west inter-regional connectivity across I-82 for the City of Umatilla and surrounding land uses. Beyond these primary functions, the interchange provides an inter-regional connection that supports local, regional, and state business interests."*

The IAMP Transportation Improvement Plan, as illustrated in Figure 7-1 and listed in Table 7-1, shall be included in the recommended transportation improvements project list of the Transportation System Plan.

With language changes to the Umatilla Development Code and amendments to the City of Umatilla Transportation System Plan the implementation for the approval of the provisions contained within the IAMP can be approved and moved to City Council approval and adoption. Should the City Council adopt the IAMP, and Development Code amendments, the Oregon Transportation Commission (OTC) will begin review and the adoption process for the I-82/US 730 IAMP as an official part of the Oregon Highway Plan. Should the OTC not approve and adopt the I-82/US 730 IAMP, they will remand the issue back to the City with noted necessary corrections for OTC approval.

## **Approval Criteria**

Amendments to the Comprehensive Plan, Transportation System Plan and Development Code must comply with the following criteria:

- 1. The proposed designation is consistent with and supports the purposes of the portions of the city's comprehensive plan not proposed for amendment, or circumstances have changed to justify a change in the comprehensive plan.*

The following are the policies from the applicable chapters of the Comprehensive Plan.

### **GOAL 1: CITIZEN INVOLVEMENT**

#### **Policies:**

The City will maintain a Citizen Involvement Program that offers citizens the opportunity to be involved in all phases of the planning process. This program will provide for:

- Distribution of planning information
- Coordination of public involvement
- Opportunities for citizen involvement in regional, state, and federal programs at the local level.

The City will continue the Citizen Involvement Program and periodically conduct workshops to update and revise the Comprehensive Plan.

**Findings:** Citizen involvement was solicited and used throughout the IAMP planning process. Eight TAC/PAC meetings, three public workshops and two Council/Planning Commission workshops were held in developing the IAMP. The proposal is consistent with the Citizen Involvement Policies of the Comprehensive Plan.

### **GOAL 11: TRANSPORTATION**

#### **Policies:**

The City will require uses fronting on arterial and collector streets to limit the points of access consistent with the traffic needs of the proposed use and physical features of the subject site.

The City will coordinate with ODOT in implementing its improvement program.

Development proposals, plan amendments, or zone changes shall conform to the adopted Transportation System Plan.

Amendments to the comprehensive plan, zoning map, and land use regulations that significantly affect a transportation facility shall assure that allowed uses are consistent with the function, capacity, and level of service of the facility identified in the Transportation System Plan. This shall be accomplished by one of the following:

- a. Limiting allowed land uses to be consistent with the planned function of the transportation facility;
- b. Amending the Transportation System Plan to ensure that existing, improved, or new transportation facilities are adequate to support the proposed land uses consistent with the requirement of the Transportation Planning Rule; or,
- c. Altering land use designations, densities, or design requirements to reduce demand for automobile travel and meet travel needs through other modes

A proposed comprehensive plan amendment or zoning change significantly affects a transportation facility if:

- a. It changes the functional classification of an existing or planned transportation facility;
- b. Changes the standards implementing a functional classification system;
- c. Allows types or levels of land use that would result in levels of travel or access that are inconsistent with the functional classification of a transportation facility; or,
- d. Would reduce the level of service of the facility below the minimum acceptable level identified in the Transportation System Plan.

The City will promote safe, direct, and convenient pedestrian circulation by including sidewalks on all new streets within the Urban Growth Boundary, except on limited access freeways.

**Findings:** The proposed amendments to the Comprehensive Plan, Transportation System Plan and Development Code are consistent with the existing transportation policies in the Umatilla Comprehensive Plan. The proposed amendments support existing transportation policy by reinforcing cooperation with ODOT on review of land use changes and requiring all land use changes to be consistent with the requirements of the IAMP. The proposed amendments also support a connected non-motorized transportation system by proposing sidewalks on the north side of US 730 from the interchange west to Umatilla River Road,

and from the interchange east to US 395. The proposed addition of the Traffic Impact Analysis will also assure that proposed development does not significantly decrease functional capacity of the transportation system.

2. *The proposed change will not affect the land supply for the existing zoning designation as related to projected need for the particular land use.*

**Findings:** The proposal includes transportation improvements and associated policy and implementation language to accommodate the relocation of the Port of Entry. The current site of the of the Port of Entry is zoned for General Commercial which would potentially be redeveloped as commercial property under the development standards of the proposed Gateway Sub-District overlay zone.

A potential receiving area for a future POE relocated facility is in the general area south of the Umatilla River and west of I-82. The properties in this area are zoned Single Family Residential and Medium Density Residential within City Limits, and Exclusive Farm Use outside City Limits. A POE use is a conditional use in these zones. The proposed action of adopting the IAMP does not have any immediate effect on the zoning of this area or the use of these properties. However, a future locating of the POE facility in this area would effectively remove land from the City’s residential land supply. The City of Umatilla currently has 870.6 acres of undeveloped land zoned for Single Family Residential, and 40.4 acres of undeveloped land zoned for Medium Density Residential inside the Urban Growth Boundary. The 1999 Buildable Lands Analysis for the City of Umatilla the projected 20 year land needs for Single Family Residential and Medium Density Residential, along with current supply and projected land needs for the POE are indicated in the table below.

| <b>Zone</b>                | <b>Projected 20 Year Need</b> | <b>Current Supply</b> | <b>POE Need (projected)*</b> | <b>Surplus Supply (after POE)</b> |
|----------------------------|-------------------------------|-----------------------|------------------------------|-----------------------------------|
| Single Family Residential  | 173.4 acres                   | 870.6 acres           | 28.3 acres                   | 668.9 acres                       |
| Medium Density Residential | 40.4 acres                    | 180.7 acres           | 5.4 acres                    | 174.9 acres                       |

\*The IAMP shows a potential POE that is larger than the current POE. The potential design on the POE was used to project the future land needs for the facility.

The current site of the Port of Entry is approximately 12.8 acres, which would potentially be redeveloped as commercial property.

The net effect this proposal would have on the land supply would be: 1) adding 12.8 developable acres of General Commercial (within the Gateway Sub-District) to the commercial land supply and removing a similar or larger amount of residential land south of the Umatilla River along I-82. Because the City of Umatilla currently has an excess of residentially zoned land in the projected 20 year land needs, removal of 15 – 30 acres should not affect the projected need of residential lands.

3. *The proposed designation will not negatively impact existing or planned public facilities and services.*

**Findings:** This criterion is not directly applicable to the future relocation of the Port of Entry, but more so to the designation of the existing Port of Entry site as the Gateway Sub-District overlay zone. This overlay zone does not change the general type of zoning for the property, but modifies allowed and conditional uses on the site as well as modifying development standards. The modifications proposed in the Gateway Sub-District zone have been crafted with the intent of protecting the operation and functionality of the interchange and surrounding existing and planned public facilities and services.

4. *The site is suitable for the proposed use, considering the topography, adjacent streets, access, size of the site, availability of public facilities, and any other pertinent physical features.*

**Findings:** The current Port of Entry Site is suitable for commercial use, with adequate transportation, water and sewer on site. The parcel is one of the most visible sites in the City from I-82, and is a prime location for commercial uses.

The proposed location of the relocated Port of Entry is not yet determined, but the general area to be considered for the relocation would be along I-82 south of the Umatilla River and within the City of Umatilla Urban Growth Boundary. Though this area poses some topographical issues, it has been identified as the best location for serving the needs of the Port of Entry while keeping the facility in the City of Umatilla. The Port of Entry will not be served by an adjacent street system, as that is against Federal rules for these facilities.

5. *Other sites in the city or the vicinity are unsuitable for the proposed use. In other words, ownership and desire to develop a particular use in themselves provide insufficient rationale for changing a zoning designation that does not support the interests of the city as a whole. (Ord. 688, 6-15-1999)*

**Findings:** This criterion is related to a zoning change and is not directly applicable to the relocation of the Port of Entry. The designation of the current Port of Entry with the Gateway Sub-District overlay zone is a means to protecting that site from redeveloping as a commercial use that might negatively impact the function of the I-82 / US 730 Interchange, and to establish development standards on the site that are more conducive to a high visibility commercial site.

## **Applicable State Goals, Policies and Rules**

The City is proposing to adopt the I-82/US 730 Interchange Area Management Plan (IAMP) as an element of the City of Umatilla Transportation System Plan, thereby amending the state-acknowledged City of Umatilla Comprehensive Plan. Findings have been made to demonstrate that the adoption of the I-82/US 730 IAMP is consistent with DLCD's Goals. In addition, an IAMP must be consistent with the applicable State transportation goals and

policies. Findings of compatibility with the Oregon Transportation Plan and the Oregon Highway Plan, as well as the Administrative Rules that govern transportation planning, will be part of the basis for IAMP approval.

**Pertinent State goals and policies for interchange planning are found in the following section “Findings of Compliance with State Policies and Requirements” and include findings addressing:**

- Statewide Planning Goals
- OAR 660 Division 12 Transportation Planning Rule (TPR)
- OAR 731-015-0065 Coordination Procedures for Adopting Final Facility Plans
- OAR 734, Division 51. Highway Approaches, Access Control, Spacing Standards and Medians

### **Findings of Compliance with State Policies and Requirements**

#### **Statewide Land Use Goals**

The City is proposing to adopt the I-82/US 730 Interchange Area Management Plan (IAMP) as an element of the City of Umatilla Transportation System Plan, thereby amending the state acknowledged City of Umatilla Comprehensive Plan. The following findings demonstrate that the adoption of the I-82/US 730 IAMP is consistent with the Oregon Department of Land Conservation and Development’s Statewide Goals.

#### **Goal 1: Citizen Involvement**

*Goal 1 requires the development of a citizen involvement program that is widespread, allows two-way communication, provides for citizen involvement through all phase, and is understandable, responsive, and funded.*

**Findings:** As part of the I-82/US 730 Interchange Area Management Plan (IAMP), interagency and public involvement occurred through a kick-off meeting with agency staff; a Technical Advisory Committee (TAC) and a Public Advisory Committee (PAC) that had regular meetings; three public workshops involving local citizens, property owners, and business owners; a joint work session of the City of Umatilla Planning Commission and City Council that was open to the public.

The TAC and PAC guided the planning work and were responsible for reviewing all work products, providing input on all planning recommendations, such as the IMSA, goals and objectives, technical analysis, and the proposed concepts. Ultimately the TAC and PAC helped select the preferred interchange form, local circulation/access, land use management, and coordination elements of the IAMP. In addition, a Project Management Team (PMT) performed a coordination function, planning and executing project management tasks related to project schedule and meeting logistics. The PMT included representation from ODOT, the City of Umatilla, and the consultant team and were all members of the TAC.

To ensure that adequate project coordination and public participation occurred throughout the development of the I-82/US 730 IAMP, a series of TAC and PAC meetings, public workshops, and public joint work sessions were held over the course of the project.

Notice of public hearing on the proposed changes to the City of Umatilla's Comprehensive Plan and implementing ordinances was sent 20 days in advance of the hearing to property owners, interested parties and governmental agencies, pursuant to City code requirements. The scheduled hearings will provide opportunities for public comment on the proposed changes.

### **Goal 2: Land Use Planning**

*This goal requires that a land use planning process and policy framework be established as a basis for all decisions and actions relating to the use of land. All local governments and State agencies involved in the land use action must coordinate with each other. City, county, state and federal agency and special districts plans and actions related to land use must be consistent with the comprehensive plans of cities and counties and regional plans adopted under Oregon Revised Statutes (ORS) Chapter 268.*

**Findings:** Preliminary tasks in the development of the IAMP included a thorough review and analysis of all relevant state, regional and local planning documents in order to establish a planning process and policy framework. The following documents were reviewed:

- DLCD Statewide Goals
- Oregon Transportation Plan (2006)
- Oregon Highway Plan (1999)
- Oregon Bicycle and Pedestrian Plan (1995)
- Oregon Rail Plan (2001)
- Oregon Administrative Rule 660, Division 12 (Transportation Planning Rule)
- Oregon Administrative Rule 731, Division 15 (Coordination Rules)
- Oregon Administrative Rule 734, Division 51 (Access Management Rule)
- Oregon Revised Statute Title 31, Highways, Roads, Bridges, and Ferries
- Highway Design Manual (2003)
- Joint Management Agreement, City of Umatilla and Umatilla County (1996)
- Umatilla County Comprehensive Plan (1983, Amended)
- Umatilla County Transportation System Plan (2002)
- Umatilla County Development Code (Revised, 2009)
- City of Umatilla Comprehensive Plan
- City of Umatilla Transportation System Plan (2001)
- City of Umatilla Zoning Code

The review identified how the documents influenced planning for the interchange. The I-82/US 730 IAMP was developed jointly by the City of Umatilla and ODOT and coordination took place routinely throughout the process. The City of Umatilla Planning Commission worked on the development standards for the Gateway Sub-District overlay zone with the help of the consultants. ODOT and the City will continue to coordinate development proposals in the area to meet the standards of the IAMP. Adopting the IAMP will ensure that the transportation element of the Comprehensive Plan (the TSP) is consistent with the proposed I-82/US 730 IAMP improvements.

**Goal 9: Economic Development**

*This goal requires that local comprehensive plans and policies contribute to a stable and healthy economy in all regions of the state.*

**Findings:** The I-82/US 730 Interchange provides a vital function in supporting local, regional and statewide economic development. Some of the most highly visible commercial property in the area is directly served by the interchange and local streets within the IAMP Management Area. The intent of the IAMP is to protect the safe and efficient operation of the interchange. It was identified through the process of developing the IAMP that though the Port of Entry at its current location supports local fueling stations and restaurants, the larger economic development interests of the community would be best served by the relocation of the Port of Entry and the redevelopment of the current port of entry site as high value commercial development. Adopting the IAMP will ensure that transportation improvements will ultimately be available to support the planned uses in this area, consistent with this economic development goal.

**Goal 11: Public Facilities**

*Goal 11 requires cities and counties to plan and develop a timely, orderly and efficient arrangement of public facilities and services to serve as a framework for urban and rural development. The goal requires that urban and rural development be “guided and supported by types and levels of urban and rural public facilities and services appropriate for, but not limited to, the needs and requirements of the urban, urbanizable and rural areas to be served.*

**Findings:** Transportation facilities are considered a primary type of public facility. The IAMP documents the current and future transportation needs in the vicinity of the I-82/US 730 interchange. The analysis of possible alternatives resulted in recommended relocation of the Port of Entry, realignment of Brownell Boulevard, intersection improvements, a local circulation plan, and an access management plan that are intended to meet future transportation demand. With the adoption of the IAMP, the City is adopting the recommended implementation measures related to the protection of the function and operation of the I-82/US 730 Interchange.

**Goal 12: Transportation**

*Goal 12 requires cities, counties, metropolitan planning organizations, and ODOT to provide and encourage a “safe, convenient and economic transportation system.” This is accomplished through the development of Transportation System Plans based on inventories of local, regional, and state transportation needs. Goal 12 is implemented through OAR 660, Division*

12, also known as the Transportation Planning Rule (“TPR”). The TPR contains numerous requirements governing transportation planning and project development. (See the “OAR 660, Division 12” section of this document for findings of compliance with the TPR.)

**Findings:** The purpose of the I-82/US 730 IAMP is to protect the interchange and its ability to serve future transportation demands, thereby protecting the states investment in the facility. The IAMP contains a discussion of the transportation analysis that was conducted in order to determine future demand, available capacity, deficiencies, and necessary transportation improvements for this interchange area. The analysis demonstrates that the planned transportation facilities will be adequate to safely and efficiently serve trips generated by future land uses for a period of at least 20 years.

To implement the IAMP, it must be adopted into the City of Umatilla’s Transportation Plan. Policy and zoning ordinance language, as summarized in this report is added to the City’s Comprehensive Plan and Development Code in order to maintain interchange function and ensure that development inconsistent with the objectives of the IAMP does not cause unexpected traffic volumes or create non-conforming access points. The IAMP and the supporting city code amendments provide for coordination between the City and ODOT for any land use actions proposed within the IAMP study area.

Local plans must be consistent with state plans. Subsequent to local action, adoption of the IAMP by the Oregon Transportation Commission will amend the Oregon Highway Plan to establish the preferred interchange project alternative. See additional findings under OAR 660, Division 12 Transportation Planning Rule.

### **Oregon Transportation Plan (2006)**

The Oregon Transportation Plan (OTP) is the state’s long-range multimodal transportation plan. The OTP is the overarching policy document among a series of plans that together form the state transportation system plan (TSP). An IAMP must be consistent with applicable OTP goals and policies. Findings of compatibility will be part of the basis for IAMP approval. The most pertinent OTP goals and policies for interchange planning are as follows:

#### *POLICY 1.2 – Equity, Efficiency and Travel Choices*

*It is the policy of the State of Oregon to promote a transportation system with multiple travel choices that are easy to use, reliable, cost-effective and accessible to all potential users, including the transportation disadvantaged.*

**Response:** To address non-motorized modes of transportation in the interchange mangement area, the construction of sidewalks along the north side fo US 730 from the interchange to the railroad bridge has been included, as well as sidewalks on both sides of US 730 from the Interchange to US 395. All proposed new streets will be built to current City standards with sidewalks and bike lanes (if required).

#### *POLICY 1.3 – Relationship of Interurban and Urban Mobility*

*It is the policy of the State of Oregon to provide intercity mobility through and near urban areas in a manner which minimizes adverse effects on urban land use and travel patterns and provides for efficient long distance travel.*

**Response:** The I-82/US 730 IAMP provides for improved safety and efficiency for travelers accessing either Interstate 82 or US 730 and the surrounding properties. The IAMP documents how access management and planned improvements will ensure that the interchange facility will operate at levels consistent with the state's mobility standards over the 20-year planning horizon.

*POLICY 2.1 – Capacity and Operational Efficiency*

*It is the policy of the State of Oregon to manage the transportation system to improve its capacity and operational efficiency for the long term benefit of people and goods movement.*

**Response:** The I-82/US 730 IAMP project was developed in response to safety and operational efficiency issues affecting the existing interchange. The IAMP includes short-, medium-, and long-range actions that accomplish state management objectives by identifying access management steps, necessary local street connections, relocation of the Port of Entry, and improvements to the interchange (traffic signals, medians). Through these actions the IAMP protects long-term system capacity by ensuring that the interchange continues to function at a level that meets the mobility expectations of the state. The IAMP contains policies and recommendations that support the access management spacing standards and the new code language establishes that proposed land use actions within the IAMP Management Area are inconsistent with the assumptions in the IAMP must include a review of potential impacts to interchange operations. Actions to minimize access locations will occur as part of future redevelopment, and only when reasonable alternative access becomes available.

*POLICY 2.2 – Management of Assets*

*It is the policy of the State of Oregon to manage transportation assets to extend their life and reduce maintenance costs.*

**Response:** The stated purpose of the I-82/US 730 IAMP is to protect the long-term function of the Interstate 82/US 730 interchange by preserving the capacity of the interchange while providing safe and efficient operations between connecting roadways. This includes managing access in the interchange vicinity. Implementing the recommendations of the IAMP maximizes the interchange's operational life and the State's investment in the facility. In addition, through provisions called for in the Development Code amendments, the IAMP requires proposed changes to the planned land use system to demonstrate consistency with IAMP policies protecting the long-term function of the interchange.

*POLICY 3.1 – An Integrated and Efficient Freight System*

*It is the policy of the State of Oregon to promote an integrated, efficient and reliable freight system involving air, barges, pipelines, rail, ships and trucks to provide Oregon a competitive advantage by moving goods faster and more reliably to regional, national and international markets.*

*POLICY 3.2 – Moving People to Support Economic Vitality*

*It is the policy of the State of Oregon to develop an integrated system of transportation facilities, services and information so that intrastate, interstate and international travelers can travel easily for business and recreation.*

**Response:** I-82 is classified as an Interstate Highway and is part of the National Highway System. The primary function of the Interstate is to provide connections to major cities, regions of the State, and other states. I-82 is a major freight route and the primary objective of this facility is to provide mobility. US 730 is also a designated freight route. There are operational issues with the I-82/US 730 interchange, namely the close proximity of the Brownell Blvd./US 730 intersection and the southbound I-82/US 730 intersection. Queuing problems associated with truck traffic accessing the Umatilla Port of Entry weight station continue to occur at the two intersections despite signal coordination efforts to improve intersection operations. This queuing and backup creates a bottleneck for freight traffic moving through the area. The IAMP recommends the relocation of the current Port of Entry to a dedicated weigh station facility that would be more easily accessible to truck traffic, and additional weight stations facilities on US 730 and US 395. These improvements would facilitate more efficient handling of weighing truck traffic, by reducing wait times and congestion at the Umatilla Port of Entry, thereby facilitating easier and faster movement of people and goods locally, regionally and nationally.

*POLICY 4.1 – Environmentally Responsible Transportation System*

*It is policy of the State of Oregon to provide a transportation system that is environmentally responsible and encourages conservation and protection of natural resources.*

**Response:** The I-82/US 730 IAMP was developed to identify necessary improvements to an existing interchange. Land in the vicinity of the interchange is currently developed or is planned for urban-level development. Through the implementation and construction of improvements included in the preferred transportation system and interchange alternative natural resources will be avoided or mitigated. Redevelopment of the Port of Entry site will allow for denser urban infill development that will relieve development pressure on the urban edge.

*POLICY 5.1 – Safety*

*It is the policy of the State of Oregon to continually improve the safety and security of all modes and transportation facilities for system users including operators, passengers, pedestrians, recipients of goods and services, and property owners.*

**Response:** A key element of the long-range preservation of the operational efficiency and safety of the interchange is the management of access to US 730. Because access points introduce a number of potential vehicular conflicts on a roadway and are frequently the causes of slowing or stopping vehicles, they can significantly degrade the flow of traffic and reduce the efficiency of the transportation system. The IAMP includes an Access Management Plan that includes short-, medium-, and long-range actions that, over time, will reduce the overall number of access points and provide greater separation between them in order to minimize the impacts of these conflicts.

*POLICY 7.1 – A coordinated Transportation System*

*It is the policy of the State of Oregon to work collaboratively with other jurisdictions and agencies with the objective of resolving barriers so the transportation system can function as one system.*

ODOT worked in collaboration with the City of Umatilla to develop and adopt the IAMP. The IAMP describes a local transportation system, including access management and necessary local street connectivity that improves the safety and efficiency for motorized and non-motorized modes of travel. The I-82/US 730 interchange is a vital link in this system, providing access for travelers to services offered in the City of Umatilla and for residents and business owners traveling to and from the eastern and western parts of town. The IAMP details how improvements to the local street system and, eventually, to the Port of Entry facility, will continue to provide for the needs of residents and travelers on I-84. Proposed IAMP implementation language ensures future collaboration between the City and ODOT by requiring notification to ODOT of land use actions proposed within the IAMP Management Area.

*POLICY 7.3 – Public Involvement and Consultation*

*It is the policy of the State of Oregon to involve Oregonians to the fullest practical extent in transportation planning and implementation in order to deliver a transportation system that meets the diverse needs of the state.*

*POLICY 7.4 – Environmental Justice*

*It is the policy of the State of Oregon to provide all Oregonians, regardless of race, culture or income, equal access to transportation decision-making so all Oregonians may fairly share in benefits and burdens and enjoy the same degree of protection from disproportionate adverse impacts.*

**Response:** Over the course of this nearly two-year planning process, the City has engaged citizens in the development of the IAMP using various means, including a Public Advisory Committee, open houses, workshops and other public meetings. No target Environmental Justice Groups – which include minorities, people with disabilities, the elderly, people that speak English as a second language, or Non-English speaking people, and low income populations – are disproportionately affected by the IAMP.

Notice of public hearings on the proposed changes to the City of Umatilla's Comprehensive Plan and implementing ordinances was sent 20 days in advance of the hearings to all property owners within the IAMP Management Area, interested parties, and governmental agencies, pursuant to City code requirements. The scheduled hearings will provide opportunities for public comment on the proposed changes.

**OAR Compliance**

The I-82/US 730 IAMP was developed in collaboration with the City of Umatilla, Umatilla County, and ODOT and was developed in accordance with the guidelines set forth in the State of Oregon's Oregon Administrative Rules for Interchange Access Management Planning and Interchange Area Management Planning. Table 9-1 identifies the required planning elements from OAR 734-051 and documents how the I-82/US 730 IAMP satisfies the requirements.

**TABLE 9-1**

**OAR 734-051 ISSUES ADDRESSED**

| <b>OAR 734-0051-0155 Requirement</b>   | <b>How Addressed</b>   | <b>Report Reference</b>                          |
|--|--|--|
| Should be developed no later than the time the interchange is being developed or redeveloped<br>-0155(7)(a)  | This plan was developed in order to determine the future improvements that would enhance the efficiency and safety of the interchange. The plan was completed before any of the identified improvements to the interchange moved into project development phases.                | Section 1  |
| Should identify opportunities to improve operations and safety in conjunction with roadway projects and property development or redevelopment and adopt strategies and development standards to capture those opportunities<br>-0155(7)(b) | The access management, transportation improvement plan, and overlay district elements identified in this plan will result in operational and capacity improvements.  | Section 7<br>Section 8                           |
| Should include short, medium, and long-term actions to improve operations and safety in the interchange area<br>-0155(7)(c)  | The IAMP includes a phasing plan for the transportation system improvements and access management elements that cover the short, medium, and long-term time timeframes.  | Section 7<br>Section 8                           |
| Should consider current and future traffic volumes and flows, roadway geometry, traffic control devices, current and planned land uses and zoning, and the location of all current and planned approaches<br>-0155(7)(d)                   | A full analysis of existing and forecast (2030) operational and geometric conditions was conducted for this planning effort. The future volumes were developed based on current zoning and comprehensive plan designations. All approaches, existing and planned, were examined. | Section 4<br>Section 5<br>Section 6              |
| Should provide adequate assurance of the safe operation of the facility through the design traffic forecast period, typically 20 years<br>-0155(7)(e)  | The forecast analysis shows that safe operations will be achieved for the interchange through 2030.  | Section 6  |
| Should consider existing and proposed uses of all property in the interchange area consistent with its comprehensive plan designations and zoning<br>-155(7)(f)  | A thorough analysis of surrounding land uses and land use potential was performed based on the current comprehensive plan designations and zoning.   | Section 4<br>Section 5<br>Section 6<br>Section 7 |
| Ord. 766<br>Attachment E<br>Page 14  |  |  |

| <p>Is consistent with any applicable Access Management Plan, corridor plan or other facility plan adopted by the Oregon Transportation Commission-0155(7)(g)</p>  | <p>The I-82/US 730 Interchange Area Management Plan is consistent with the 1999 OHP. (See following subsection). No other applicable plans adopted by the OTC were identified.</p>   | <p>Section 3<br/>Section 8</p>               |
|---|--|--|
| <p><b>OAR 734-0051-0155 Requirement</b></p>   | <p><b>How Addressed</b></p>  | <p><b>Report Reference</b></p>               |
| <p>Includes polices, provisions and standards from local comprehensive plans, transportation system plans, and land use and subdivision codes that are relied upon for consistency and that are relied upon to implement the Interchange Area Management Plan. -155(7)(h)</p> | <p>Implementation of the IAMP is reliant upon the City of Umatilla and Umatilla County amending their respective Transportation System Plans to incorporate the transportation improvements associated with the IAMP. In addition, implementation of the IAMP will occur through the City of Umatilla and Umatilla County amending their Land Use and Development Ordinances to include an IAMP overlay district. The overlay district contains the submittal requirements and review standards for land use amendment and development proposals within the district; access management standards and local street connectivity requirements will be based on the IAMP. Amendments will ensure that future development and land use actions within the interchange management area do not degrade the interchange terminal volume to capacity ratios below the adopted OHP mobility standards. These amendments include coordination between agencies, traffic impact analysis requirements, monitoring of traffic operations, and access management requirements.</p> | <p>Section 3<br/>Section 7<br/>Section 8</p> |

**THE PLAN WILL DETERMINE**

| <b>OAR 734-051-0155 Requirement</b>   | <b>Determination</b>  | <b>Report Reference</b> |
|---|---|-------------------------|
| Driveway and roadway spacing and connections  | The operational analysis considered all access points and intersections within approximately ½ mile from the existing I- 82/US 730 Interchange, including all key intersections that have potential to affect traffic operations in the interchange area over the planning period. The resulting Access Management element moves toward the ¼ mile spacing requirement. | Section 7               |
| Local street connections to ensure adequate access to properties and off-highway circulation  | The IAMP maintains much of the existing local circulation network and includes improvements to it (Figure 7-1).   | Section 7               |
| Median treatments   | Median treatments are proposed for US 730 to meet ODOT access management standards (Figure 7-6).  | Section 7               |
| <b>OAR 734-051-0155 Requirement</b>   | <b>Determination</b>  | <b>Report Reference</b> |
| Location and type of traffic control devices needed to ensure safe and efficient operations in the operational area of the interchange              | The I-82 Northbound ramp terminal will be signalized as part of the short-term improvements. Figure 7-1 shows all necessary traffic control within the IMSA.  | Section 7               |
| Location of sidewalks and bicycle lanes   | Sidewalks and bicycle lanes will be constructed with roadway improvements. Figure 7-1 shows the locations of future sidewalks and bicycle lanes.  | Section 6<br>Section 7  |
| Sidewalk and bicycle lane crossings (highway and ramp crossings)  | See above.  | See above               |
| Location of potential transit facilities (turnouts, shelters, park and ride areas)  | Transit facilities were not considered as part of the IAMP because fixed route transit service does not exist nor is planned within the IMSA.   | NA                      |
| Is new policy language needed in the City of Umatilla and Umatilla County Comprehensive Plans to support adequate long-term interchange operations? | The City of Umatilla and Umatilla County will amend their respective comprehensive plans to include the overlay district. In addition, the City and County will amend its land use and development ordinance to implement the overlay district.   | Section 8               |

|   |  |                                |
|---|--|--------------------------------|
| <p>Are any land use changes/comprehensive plan (including TSP) amendments needed to implement the Interchange Area Management Plan?</p> | <p>The City of Umatilla and Umatilla County will amend their respective Transportation System Plans to incorporate the transportation improvements associated with the IAMP. The City of Umatilla and Umatilla County will amend their respective Land Use and Development Ordinances to include an Interchange Area Management Plan Overlay District that contains the submittal requirements and review standards for land use amendment and development proposals within the district. Amendments will ensure that future development and land use actions within the interchange management area do not degrade the interchange terminal volume to capacity ratios below the adopted OHP mobility standards. These amendments include coordination between agencies, traffic impact analysis requirements, monitoring of traffic operations, and access management requirements.</p> | <p>Section 8</p>               |
| <p>Are any deviations from OHP and OAR 731-051 standards and requirements needed?</p>   | <p>Deviations to the OHP access spacing standards are required, as described in Section 7. The Access Management element describes how each of the necessary deviations meets the requirements of Division 51. The IAMP and Implementation Plan define all the necessary standards and requirements.</p>   | <p>Section 7<br/>Section 8</p> |

**OAR 731-015-0065**

OAR 731-015-0065 regulates ODOT procedure for adopting facility plans. AN IAMP is a facility plan. The procedure outlined in OAR 731-015-0065 requires that ODOT coordinate with DLCDD and local government agencies during development of the plan and provide a draft of the facility plan to affected cities, counties, and other agencies for comment. The facility plan must be consistent with statewide planning goals and local comprehensive plan policies, and findings of compatibility must be presented to the Oregon Transportation Commission for facility plan adoption.

**Response:** The I-82/US 730 IAMP is the result of a collaborative planning effort between ODOT and the City of Umatilla. A final draft of the IAMP has been provided to all affected government and other agencies, and any potential conflicts with state or local plans have been addressed. Findings of compliance with statewide planning goals and local comprehensive plans are included in this staff report, and will be included in materials for presentation to the Oregon Transportation Commission. Adoption of the IAMP will take place in conformance with this provision.

### **OAR 660 Division 12 Transportation Planning Rule (TPR)**

The purpose of the TPR is to “implement Statewide Planning Goal 12 (Transportation) and promote the development of safe, convenient and economic transportation systems that are designed to reduce reliance on the automobile so that air pollution, traffic and other livability problems faced by urban areas in other parts of the country might be avoided.” A major purpose of the Transportation Planning Rule (TPR) is to promote more careful coordination of land use and transportation planning, to ensure that planned land uses are supported by and consistent with planned transportation facilities and improvements. The TPR references OAR 731, Division 15 for ODOT coordination procedures for adopting facility plans and plans for Class 1 and 3 projects.

### **Section 660-012-0005 through 660-012-0050**

**Response:** These sections of the TPR contain policies for preparing and implementing a transportation system plan. The I-82/US 730 IAMP will be adopted as part of the City’s existing transportation system plan and most of these sections are not applicable. The TPR requires that local governments adopt land use regulations consistent with state and federal requirements “to protect transportation facilities, corridors, and sites for their identified functions (OAR 660-012-0045(2)).” As part of IAMP adoption, the City will revise the City of Umatilla Development Code to include a new Interchange Area Management Plan Management Area boundary, as well as a Gateway Sub-District zone. The requirements of this new Development Code section will ensure that future local land use actions are consistent with the transportation facility planning within the IAMP.

### **Section 660-012-0055 – Timing of Adoption and Update of Transportation System Plans**

**Response:** Part (5) of this Section requires cities and counties to update their TSPs and implementing measures when a refinement plan has been completed. The IAMP is considered a refinement plan and therefore is subject to this requirement. Consistent with this TPR requirement, the City of Umatilla will amend the TSP to adopt the IAMP by reference. The “Implementation Plan” section of the IAMP outlines the policies and implementation measures that will be adopted by the City.

## Section 660-012-0060 – Plan and Land Use Regulation Amendments

**Response:** Part (1) in this section requires that where an amendment to a functional plan, an acknowledged comprehensive plan, or a land use regulation would significantly affect an existing or planned transportation facility, the local government shall put in place measures to assure that allowed land uses are consistent with the identified function, capacity, and performance standards of the facility. Current and future planned land uses were considered in development of the IAMP's preferred interchange improvements in order to ensure the facility's ability to support future traffic demands.

Proposed implementation measures within the Development Code require that plan amendment and zone change requests within the IAMP area demonstrate that they will not have a significant effect on the interchange facility. Related to this policy, the new code chapter contains proposed development standards that codify traffic

impact analysis requirements for development within the IAMP area. Proposed implementation measures also require that any proposed land use actions within the IAMP area be noticed to ODOT.

### **Oregon Highway Plan Compliance**

The I-82/US 730IAMP was developed in accordance with the policies set forth in the Oregon Highway Plan (OHP). The following identifies the OHP policies that pertain to the I-82/US 730IAMP and how the IAMP satisfies the requirements.

**Policy 1A: State Highway Classification System.** The state highway classification system includes five classifications: Interstate, Statewide, Regional, District, and Local Interest Roads. In addition, there are four special purpose categories that overlay the basic classifications: special land use areas, statewide freight route, scenic byways, and lifeline routes.

Within the IMSA, there are three ODOT highways. Interstate-82 is an Interstate Highway and is part of the National Highway System (NHS). US 730 is a Statewide Highway from the southbound I-82 ramp terminal east to US 395 and a Regional Highway west of the southbound terminal. US 395 is a Statewide Highway.

*How Addressed:* The I-82/US 730IAMP recognized the respective functions of each highway. Relocating the POE will allow US 730 to serve its regional role, instead of all truck traffic. The plan also includes accessory weigh facilities along US 730 and US 395, recognizing their need to serve freight traffic.

**Policy 1B: Land Use and Transportation.** This policy recognizes the role of both the State and local governments related to the state highway system and calls for a coordinated approach to land use and transportation planning.

*How Addressed:* The IAMP was developed through a cooperative planning effort between the City of Umatilla, Umatilla County, ODOT, and DLCD. The IAMP will be implemented by the City of Umatilla through an Interchange Management Overlay District that will require coordinated agency review on all future development or land use actions within the District.

Policy 1C: State Highway Freight System. This policy recognizes the need for the efficient movement of freight through the state. Interstate-82, US 395, and sections of US 730 are designated freight routes.

*How Addressed:* The transportation improvement plan improves traffic operations and safety along US 730 and at the interchange, which will ensure that freight mobility is preserved along the US 730 and US 395 corridors. The relocated POE along I-82 will also be able to more efficiently serve freight traffic than it is able to at its current location.

Policy 1F: Highway Mobility Standards Access Management Policy. This policy addresses state highway performance expectations, providing guidance for managing access and traffic control systems related to interchanges.

*How Addressed:* The I-82/US 730 IAMP demonstrates that the interchange will be able to meet ODOT mobility standards through the 20-year horizon. It also provides an access management element that improves access management within the IMSA.

Policy 1G: Major Improvements. This policy requires maintaining performance and improving safety by improving efficiency and management before adding capacity.

*How Addressed:* The I-82/US 730 IAMP provides measures to increase efficiency through access management and provides improvements to the local street system.

Policy 2B: Off-System Improvements. This policy recognizes that the state may provide financial assistance to local jurisdictions to make improvements to local transportation systems if the improvements would provide a cost-effective means of improving the operations of the state highway system.

*How Addressed:* Section 8 identifies a series of procedural steps that the City, County, and ODOT will take regarding improvements to the local circulation network, including the realignment of Brownell Boulevard. Specific access management responsibilities have been set according to State and City responsibilities.

Policy 2F: Traffic Safety. This policy emphasizes the state's efforts to improve safety of all uses of the highway system. Action 2F.4 addresses the development and implementation of the Safety Management System to target resources to sites with the most significant safety issues.

*How Addressed:* The potential safety issues identified within the IMSA relate to queues spilling back from other intersections into the ramp terminals. The transportation improvement plan outlined in Section 7 addresses these issues. The access management element was also developed to ensure the long-term safety of the interchange area.

Policy 3A: Classification and Spacing Standards. This policy addresses the location, spacing and type of road and street intersections and approach roads on state highways. The adopted standards can be found in Appendix C of the Oregon Highway Plan.

*How Addressed:* See Policy 3C below.

Policy 3C: Interchange Access Management Areas. This policy addresses management of grade-separated interchange areas to ensure safe and efficient operation between connecting roadways. Action items include developing interchange area management plans to protect the function of the interchange to provide safe and efficient operations between connecting roadways and to minimize the need for major improvements of existing

interchanges. The local jurisdiction's role in access management is stated in Policy 3C as follows: "necessary supporting improvements, such as road networks, channelization, medians and access control in the interchange management area must be identified in the local comprehensive plan and committed with an identified funding source, or must be in place (Action 3C.2)."

Access management standards are detailed in Policy 3C and include the distance required between an interchange and approaches and intersections. The most stringent standards apply in interchange areas. Table 17 of the OHP contains the minimum spacing standards applicable to the I-82/US 730 Interchange, a freeway interchange that has a multi-lane crossroad. The spacing standards in an urban area for this type of interchange are:

|                    |  |
|--------------------|--|
| 1 miles (3.2 km)   | Distance between the start and end of tapers of adjacent interchanges.                                 |
| 750 feet (230m)    | Distance to the first approach on the right (right in/right out only)                                  |
| 1,320 feet (400 m) | Distance to the first major intersection or approach (left turns allowed).                             |
| 990 feet (300 m)   | Distance between the last right in/right out approach road and the start of the taper for the on-ramp. |

*How Addressed:* The I-82/US 730 IAMP includes an access management element that consolidates access points and improves access spacing over the existing conditions. Ultimately, upon land redevelopment, access on either side will be improved but it will not meet the standards outlined above. Section 7 outlines where deviations will be necessary and describes how each of the necessary deviations meets the requirements of Division 51.

Policy 4A: Efficiency of Freight Movement. This policy emphasizes the need to maintain and improve the efficiency of freight movement on the state highway system. Interstate-82, US 395, and sections of US 730 are designated Freight Routes.

*How Addressed:* The transportation improvement plan improves traffic operations and safety along US 730 and at the interchange, which will ensure that freight mobility is preserved along the US 730 and US 395 corridors. The relocated POE along I-82 will also be able to more efficiently serve freight traffic than it is able to at its current location.

Policy 5B: Scenic Resources. This policy applies to all state highways and commits the State to using best management practices to protect and enhance scenic resources in all phases of highway project planning, development, construction, and maintenance.

*How Addressed:* This policy was considered as part of the plan development.

## **Summary, Conclusions and Recommendations**

The I-82/US 730 Interchange Area Management Plan has been open to public input and has been thoughtfully crafted with the input of the consultants, Technical Advisory Committee, Public Advisory Committee, City Council, Planning Commission, Oregon Department of

Transportation, Oregon Department of Land Conservation and Development and City of Umatilla staff. The IAMP provides a blueprint to assuring transportation improvements are accomplished and commensurate with traffic demands.

Staff recommends the Planning Commission approve the I-82/US 730 Interchange Area Management Plan, and forward a recommendation to the Umatilla City Council to adopt the IAMP through an implementing ordinance that would accomplish the following:

- Adopt the I-82/US 730 IAMP as part of the City of Umatilla Transportation System Plan and Comprehensive Plan;
- Amend the Comprehensive Plan Map and Zoning Map to include the IAMP Management Area boundary;
- Amend the Umatilla Development Code to include development and land use application requirements pertaining to transportation impact analysis, access management, and agency coordination;
- Amend the Comprehensive Plan Map and Zoning Map to include the Gateway Sub-District overlay zone on the current Port of Entry site;
- Amend the Umatilla Development Code to include section "10-4C-6 Gateway Sub-District" to establish development standards on the modify allowed and conditional uses on the current Port of Entry site;

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MAR 13 2012

MAR 13 2012

UMATILLA COUNTY  
RECORDS

THE BOARD OF COMMISSIONERS OF UMATILLA COUNTY

UMATILLA COUNTY  
PLANNING DEPARTMENT

STATE OF OREGON

In the Matter of Amending )  
 Comprehensive Plan and ) ORDINANCE NO. 2012-07  
 Development Code to Approve )  
 and Incorporate I82/US 730 )  
 Interchange Area Management )  
 Plan )

WHEREAS the Board of Commissioners has adopted a Comprehensive Plan for Umatilla County, and has ordained Ordinance No. 83-04, adopting the County Land Development Ordinance, codified in Chapter 152 of the Umatilla County Code of Ordinances;

WHEREAS pursuant to Chapter 660, Division 12, of the Oregon Administrative Rules, and specifically OAR 660-12-0045, Umatilla County, as part of its Comprehensive Plan, adopted by Ordinance No. 2002-03, a Transportation System Plan for Umatilla County ("TSP); and

WHEREAS the TSP is to guide the management of existing transportation facilities and the design and the implementation of future facilities for the next 20 years; and

WHEREAS pursuant to OAR 734-051-0155, an interchange area management plan is to be developed with the redesign of an interchange to govern planning and future development within the management area, and be consistent with local plans and codes; and

WHEREAS the I82/US 730 Interchange Area Management Plan is proposed to protect the long-term function of the interchange by preserving the capacity of the interchange while providing safe and efficient operation between connecting highways and to address the existing operation that is undesirable; and

WHEREAS the area covered by the I82/US 730 Interchange Area Management Plan is within the city limits and the urban growth boundary of the City of Umatilla; and

WHEREAS the City of Umatilla has adopted the I82/US 730 Interchange Area Management Plan for lands within the city limits; and

WHEREAS the county is proposing to amends its TSP to add the

I82/US 730 Interchange Area Management Plan, and to amend its Comprehensive Plan and Development Code to include regulatory language that ensures that future permitted development within the county jurisdiction of the area is compatible with the improvements planned for the interchange; and

WHEREAS the Umatilla County Planning Commission held a public hearing regarding the proposed amendments on January 26, 2012, and forwarded the proposed amendments to the Board of Commissioners with a recommendation for adoption; and

WHEREAS the Board of Commissions held a public hearing on March 13, 2012, to consider the proposed amendments, and voted to approve the I82/US 730 Interchange Area Management Plan and to approve the amendments to the Comprehensive Plan and Land Development Ordinance.

NOW, THEREFORE the Board of Commissioners of Umatilla County ordains the following:

1. The I82/US 730 Interchange Area Management Plan is accepted and adopted, and the Umatilla County Transportation System Plan and the Umatilla County Comprehensive Plan are amended to include the I82/US 730 Interchange Area Transportation Plan as Appendix F to the Umatilla County Transportation System Plan. A copy of the I82/US 730 Interchange Area Transportation Plan is attached to this ordinance and incorporated by this reference.

2. The Umatilla County Comprehensive Plan, Chapter 12, Transportation, is amended to add the following:

Finding 29 Interchange Area Management Plans will be developed for major intersections in the county. An IAMP protects the long-term function of an intersection by preserving capacity of the interchange while providing safe and efficient operations between connecting roadways. An IAMP includes land use management strategies, short-term and long-term transportation improvements, access management goals, and strategies to fund identified improvements.

Policy 29 Umatilla County will coordinate with the Oregon Department of Transportation and cities to develop and implement Interchange

Area Management Plans.

Finding 30 An Interchange Area Management Study and Plan was completed for the Interstate 82/US Highway 730 interchange.

Policy 30 The primary transportation function of the I-82/US 730 interchange is to facilitate statewide, inter-urban, and inter-regional travel between I-82, US Highway 730 and US Highway 395. In addition to this primary function, the I-82/US 730 interchange provides east-west inter-regional connectivity across I-82 for the City of Umatilla and surrounding land uses. Beyond these primary functions, the interchange provides an inter-regional connection that supports local, regional and state business interests.

3. Adoption of the following to amend the County Land Development Ordinance, codified in Chapter 152 of the Umatilla County Code of Ordinances (Strikethrough text is deleted; Underlined/Italicized text is added):

**§152.017 CONDITIONS FOR DEVELOPMENT PROPOSALS.**

(A) The proposed use shall not impose an undue burden on the public transportation system. Any increase meeting the definition of significant change in trip generation constitutes an undue burden.

(B) For developments likely to generate a significant increase in trip generation, applicant shall be required to provide adequate information, such as a traffic impact study or traffic counts, to demonstrate the level of impact to the surrounding system. The scope of the impact study shall be coordinated with the providers of the transportation facility. Proposals that meet the requirements in §152.019(B) are subject to §152.019(C), Traffic Impact Analysis Requirements.

(C) The applicant or developer may be required

to mitigate impacts attributable to the project. Types of mitigation may include such improvements as paving, curbing, bridge improvements, drainage, installation or contribution to traffic signals, construction of sidewalks, bikeways, accessways or paths. The determination of impact or effect should be coordinated with the providers of affected transportation facilities.

(D) Dedication of land for roads, transit facilities, sidewalks, bikeways, paths, or accessways may be required where the existing transportation system will be impacted by or is inadequate to handle the additional burden caused by the proposed use.

**§ 152.018 ACCESS MANAGEMENT AND STREET CONNECTIVITY**

(A) The intent of this code is to manage access . . .

(B) This section shall apply to all arterials and collectors within the County and to all properties that abut these roadways.

(C) This section is adopted to implement the access management policies of the County as set forth in the Transportation System Plan.

(D) Proposed access within the I-82/US 730 Interchange Management Area Plan (IAMP) Management Area, shall be consistent with Section 7, Access Management Plan, of the IAMP.

(E) Corner Clearance . . . .

(F) (E) Joint Use Driveways and Cross Access . . . .

(G) (F) Access Connection and Driveway Design . . . .

(H) (G) Nonconforming Access Features . . . .

(I) (H) Requirements for Phased Development Plans . . . .

**§152.019 TRAFFIC IMPACT ANALYSIS**

(A) Purpose: The purpose of this section of the code is to implement Section 660-012-0045 (2) (e) of the State Transportation Planning Rule that requires the County to adopt a process to apply conditions to specified land use proposals in order to minimize adverse impacts to and protect transportation facilities. This section establishes the standards for when a proposal must be reviewed for potential traffic impacts; when a Traffic Impact Analysis must be submitted with an application in order to determine whether conditions are needed to minimize impacts to and protect transportation facilities; what must be in a Traffic Impact analysis; and who is qualified to prepare the analysis.

(B) Applicability: A Traffic Impact Analysis shall be required to be submitted to the County with a land use application, when the one or more of the

following actions apply:

(1) A change in plan amendment designation; or

(2) The proposal is projected to cause one or more of the following effects, which can be determined by field counts, site observation, traffic impact analysis or study, field measurements, crash history, Institute of Transportation Engineers Trip Generation manual; and information and studies provided by the local reviewing jurisdiction and/or ODOT:

(a) An increase in site traffic volume generation by 250 Average Daily Trips (ADT) or more (or as required by the County Engineer). The latest edition of the Trip Generation manual, published by the Institute of Transportation Engineers (ITE) shall be used as standards by which to gauge average daily vehicle trips; or

(b) An increase in use of adjacent streets by vehicles exceeding the 20,000 pound gross vehicle weights by 10 vehicles or more per day; or

(c) The location of the access driveway does not meet minimum intersection sight distance requirements, or is located where vehicles entering or leaving the property are restricted, or vehicles queue or hesitate, creating a safety hazard; or

(d) A change in internal traffic patterns that may cause safety problems, such as back up onto the highway or traffic crashes in the approach area; or

(e) For development within the I-82/US 730 Interchange Area Management Plan (IAMP) Management Area, the location of the access driveway is inconsistent with the Access Management Plan in Section 7 of the IAMP.

**(C) Traffic Impact Analysis Requirements**

(1) Preparation. A Traffic Impact Analysis shall be prepared by a professional engineer. The

Traffic Impact Analysis will be paid for by the applicant.

(2) Transportation Planning Rule Compliance as provided in § 152.751

(3) Pre-filing Conference. The applicant will meet with the Umatilla County Public Works Director and Planning Director prior to submitting an application that requires a Traffic Impact Analysis. The County has the discretion to determine the required elements of the TIA and the level of analysis expected. The County shall also consult the Oregon Department of Transportation (ODOT) on analysis requirements when the site of the proposal is adjacent to or otherwise affects a State roadway.

(D) Approval Criteria: When a Traffic Impact Analysis is required, approval of the proposal requires satisfaction of the following criteria:

(1) Traffic Impact Analysis was prepared by an Oregon Registered Professional Engineer qualified to perform traffic engineering analysis;

(2) If the proposed action shall cause a significant effect pursuant to the Transportation Planning Rule, or other traffic hazard or negative impact to a transportation facility, the Traffic Impact Analysis shall include mitigation measures that meet the County's Level-of-Service and/or Volume/Capacity standards and are satisfactory to the County Engineer, and ODOT when applicable; and

(3) The proposed site design and traffic and circulation design and facilities, for all transportation modes, including any mitigation measures, are designed to:

(a) Have the least negative impact on all applicable transportation facilities;

(b) Accommodate and encourage non-motor vehicular modes of transportation to the extent practicable;

(c) Make the most efficient use of land and public facilities as practicable;

(d) Provide the most direct, safe and convenient routes practicable between on-site destinations, and between on-site and off-site destinations; and

(e) Otherwise comply with applicable requirements of the Umatilla County Code.

(E) Conditions of Approval: The County may deny, approve, or approve a proposal with appropriate conditions.

(1) Where the existing transportation system is shown to be impacted by the proposed action, dedication of land for streets, transit facilities, sidewalks, bikeways, paths, or accessways may be required to ensure that the transportation system is adequate to handle the additional burden caused by the proposed action.

(2) Where the existing transportation system is shown to be impacted by the proposed action, improvements such as paving, curbing, installation or contribution to traffic signals, construction of sidewalks, bikeways, accessways, paths, or streets that serve the proposed action may be required.

#### **§ 152.665 REVIEW AND APPROVAL PROCEDURE.**

Review and approval of a Type I Land Division shall be as follows:

(A) An applicant seeking approval of a Type I Land Division shall first request the Planning Director to arrange a pre-filing conference. The request shall include five copies of a preliminary sketch of the proposal. The sketch shall have sufficient information to show the general location of the tract, general layout of lots and roads, general topography, existing land conditions and natural features, general information concerning existing conditions on surrounding properties, and other information that may be helpful to explain the applicant's

desire to develop the property.

(B) Within five business days from receipt of a request for a pre-filing conference, the Planning Director shall schedule a time and place for the pre-filing conference to better afford an opportunity for the applicant to incorporate suggestions and requirements for complying with this chapter, the Comprehensive Plan, zoning and development requirements, and such technical and design assistance in better land use practices, and techniques that will aid the applicant in preparing a tentative plan;. For applications within an Interchange Management Area Plan (IAMP) Management Area or within a ¼mile of any ODOT facility, the Planning Director shall invite ODOT to participate in a pre-filing conference.

(C) Following the pre-filing conference, the applicant shall file with the Planning Director a completed application form and tentative plan, including 20 copies of the drawings required under § 152.666. The tentative plan shall be accompanied by the required fee. If the applicant does not file a tentative plan within six months after the pre-filing conference, the applicant shall request a new pre-filing conference per the requirements listed in divisions (A) and (B) of this section.

(D) Upon receipt of a completed application, the Planning Director shall schedule, not later than 45 days from receipt of the completed application, a public hearing before the Planning Commission. When the application is within an Interchange Management Area Plan (IAMP) Management Area or within a ¼mile of any ODOT facility, the Planning Director shall provide written notification to ODOT when the application is deemed complete.

(E) The Planning Director shall furnish a copy of the tentative plan to all affected city, county, state and federal agencies and special districts with a request for their review and comments;

(F) Failure of an agency or district to provide

written comments to the Planning Director concerning the tentative plan within 10 business days after furnishing thereof may be deemed a recommendation of approval unless the agency or district has filed a written request for an additional review period, or the county and the agency or district has a signed management agreement that allows for more time.

#### **§152.666 CONTENTS OF TENTATIVE PLAN.**

(A) A tentative plan shall consist of maps, written information site review analysis and other supplementary materials adequate to provide the information required in this section.

(B) All applicable information requested in this section shall be provided and addressed, or the application for a tentative plan will not be accepted or processed . . . .

(6) *Criteria for approval.* In granting approval of a tentative plan, the Planning Commission shall find that the tentative plan:

(a) Complies with applicable elements of the Comprehensive Plan, including, but not limited to, policies listed in the public facilities and services and the transportation elements of the Comprehensive Plan.

(b) Complies with the Statewide Planning Goals adopted by the Land Conservation and Development Commission, until the Comprehensive Plan is acknowledged.

(c) Complies with provisions of §152.019, Traffic Impact Analysis, as applicable.

~~(c)~~(d) Complies with applicable provisions listed in the zoning regulations of this chapter;

~~(d)~~(e) Complies with applicable provisions, including the intent and purpose of the Type I regulations listed in this chapter;

(e) (f) The tentative plan conforms and fits into the existing development scheme in the area, including the logical extension of existing streets and public facility through the tentative plan;

(f)(g) Complies with other specific requirements listed in §152.667 for approval of certain types of subdivisions.

**§152.682 CONTENTS OF TENTATIVE PLANS.**

(A) General. A tentative plan for a Type II Land Division shall consist not only of a map, but also of written information and supplementary material adequate to provide the following required information in divisions (B) and (C) which follow. All applicable information below shall be provided and/or addressed, or the application for a Type II Land Division will not be accepted or processed.

(B) Written and supplementary information.

(4) Description of the water supply, condition of existing adjacent roads or easements and proposed roads or easements, methods of sewage disposal and storm water disposal, and the availability of other utilities. A Traffic Impact Analysis (TIA) may be required pursuant to §152.019.

**§ 152.683 REVIEW AND PROCESSING OF TENTATIVE PLAN.**

The tentative plan of a Type II Land Division will be reviewed and processed under the provisions of § 152.769 of this chapter, which for convenience, are restated as follows:

(A) Within 20 business days of filing a completed application, the Planning Department shall determine whether the application and accompanying material conforms with the applicable requirements of this chapter and render a tentative decision. When the application is within an Interchange Management Area Plan

(IAMP) Management Area or within a ¼mile of any ODOT facility, the Planning Department shall provide written notification to ODOT when the application is deemed complete.

**§152.684 STANDARDS FOR APPROVAL.**

In granting approval of a Type II Land Division, the Planning Director shall find that the Type II Tentative Plan and required supplementary material:

(A) Complies with applicable elements of the Comprehensive Plan, including, but not limited to, policies listed in the public facilities and services and the transportation elements of the Comprehensive Plan. A Traffic Impact Analysis (TIA) may be required pursuant to §152.019.

(B) If approved, will permit development on the remainder of the property under the same ownership, if any, or of adjoining land or of access thereto, in accordance with this and other applicable ordinances;

(C) Complies with the zoning requirements or a proposed change thereto associated with the partition map proposal;

(D)Complies with provisions of § 152.019, Traffic Impact Analysis, as applicable.

(E) (E) Roads . . . .

(F) (F) Dedicated road or public recorded easement . . . .

(G) (G) Each parcel . . . .

(H) (H) Shall provide easements . . . .

(I) (I) Considers energy conservation measures . . . .

(J) (J) All required improvements . . . .

(K) (K) Adequately addresses any known development limitations . . . .

(K) (L) Addresses the comments of the appropriate water agency . . . .

**§152.751 COMPLIANCE WITH COMPREHENSIVE PLAN.**

An amendment to the text of this chapter or to a zoning map shall comply with the provisions of the County Comprehensive Plan Text and Comprehensive Land Use Map. Proposed amendments shall also comply with the applicable provisions of the Oregon Transportation Planning Rule, Oregon Administrative Rule (OAR) 660, Division 12 and the Umatilla County Transportation Plan, and are subject to the requirements of §152.019, Traffic Impact Analysis. Any deviation from this section shall be preceded by an amendment to the Comprehensive Plan Text or to the Comprehensive Land Use Map. However, if the existing use of the property is allowed outright in the requested zone, compliance with the Comprehensive Plan is not necessary.

**§152.769 ADMINISTRATIVE REVIEW.**

(A) The administrative review procedure is designed to provide a less time-consuming alternative to the public hearing process for land use requests which require discretion in the decision-making process (i.e. quasi-judicial decisions).

(B) The administrative review procedure is as follows:

(1) Within 20 business days of filing a completed application, the Planning Department shall determine whether the application and accompanying material conforms with the applicable requirements of this chapter and render a tentative decision. When the application is within an Interchange Management Area Plan (IAMP) Management Area or within a ¼mile of an ODOT facility, the Planning Department shall provide written notification to ODOT when the application is deemed complete.

(2) All documents or evidence relied upon by the applicant shall be submitted to the Planning Department and shall be made available to the public prior to issuance of the tentative decision.

(3) A tentative decision by the Planning Department to approve, modify or deny a land use request shall include written modifications and conditions, if any, and findings and conclusions which shall specifically address the relationship between the proposal and the applicable criteria for approval listed elsewhere in this chapter.

**§152.770 PUBLIC NOTICES.**

(A) As set forth in ORS 197.763, notice of the hearings . . . .

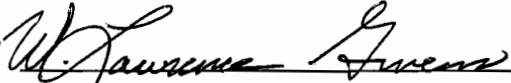
(B) In the event that there are less than five different property owners within the distances set forth under division (A) of this section, other nearby properties shall be included in the notice area until at least five different property owners are identified.

(C) The County will also send the notice to, and request comments from, all local, state, and federal agencies which staff can determine might or would be affected by the request, including, but not limited to, irrigation districts, rural fire districts or fire service providers, nearby municipalities, utility companies with known easements or facilities on the property, the County Road Department, the Watermaster, and the County Assessor. When the application is within an Interchange Management Area Plan (IAMP) Management Area or within a ¼mile of an ODOT facility, the County shall provide written notification to ODOT when the application is deemed complete.

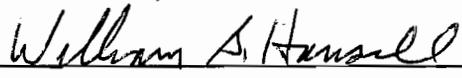
FURTHER by unanimous vote of those present, the Board of Commissioners deems this Ordinance necessary for the immediate preservation of public peace, health, and safety; therefore, it is adjudged and decreed that an emergency does exist in the case of this Ordinance and it shall be in full force and effect from and after its adoption.

DATED this 13th day of March, 2012.

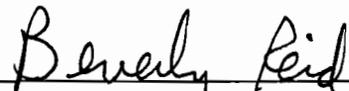
UMATILLA COUNTY BOARD OF COMMISSIONERS

  
\_\_\_\_\_  
W. Lawrence Givens, Chair

**ABSENT**  
\_\_\_\_\_  
Dennis D. Doherty, Commissioner

  
\_\_\_\_\_  
William S. Hansell, Commissioner

ATTEST:  
OFFICE OF COUNTY RECORDS

  
\_\_\_\_\_  
Records Officer





# Oregon

Theodore R. Kulongoski, Governor

Department of Transportation  
Region 5  
3012 Island Avenue  
La Grande, OR 97850  
(541) 963-3177  
FAX (541) 963-9079

## INTEROFFICE MEMORANDUM

April 13, 2012

To: Teresa Penninger  
Region 5 Planning Manager

From: Jeff Wise PE; PTOE  
Region 5 Traffic and Access Manager

Subject: Letter of Concurrence  
I-82 / US 730 Interchange IAMP

The Oregon Department of Transportation (ODOT), Transportation Development Division (TDD) Requires Interchange Area Management Plans, (IAMP) and Corridor Refinement Plans to be approved by the Oregon Transportation Commission, (OTC). Included in this process are approvals by the Region Access Management Engineer, (RAME) and the Region Manager. As such, this letter is intended to document concurrence and support for approval of the subject I-82 / US 730 Interchange Area Management Plan by the Region 5 RAME.

The I-82 / US 730 Interchange is located at mile point 1.00 of the McNary Highway, No. 70, route I-82. This interchange has 21 public and private approaches within 1320 feet, of the ramp terminals. To the east of the interchange, private and public accesses will be consolidated approximately 800 feet from the interchange at Scaplehorn Road. Steep terrain would make it difficult to move this intersection further from the interchange. To the west Brownell Road will be aligned with Eisele Drive approximately 1050 feet from the interchange. The Port of Entry will be moved to a new location away from this interchange. Future development will provide alternative access for local businesses with accesses within 1320 feet of the interchange. Some of these business accesses could also have limitations placed on the available movements. The IAMP adequately addresses access spacing standards per our Highway Plan Policy 3A. In addition Policy 3C is addressed by identifying current interchange deficiencies and solutions to improve this interchange area over time. This being short, median and long term projects.

Section 7 of this IAMP also addresses some key elements for long term application. These key elements include relocating a public street, extending public streets, extending private streets, relocating a Port of Entry, and providing alternate accesses locations to move existing accesses further from the interchange. These improvements will move the interchange in the direction of meeting access management spacing standards.

Summarizing – This plan works towards improving the safety and efficiency of this interchange for the long term. It sets mobility standards and access requirements that are consistent with Oregon Highway Plan and OAR 734-051. As such, I am in concurrence with the adopted I-82 / US 730 Interchange Area Management Plan and support its adoption by the OTC.

## **EXHIBIT B**

### **Findings of Compliance with OAR 731-0015-0055 and 0065**

#### **I-82/US 730 Interchange Area Management Plan**

ODOT's State Agency Coordination Agreement requires that the Oregon Transportation Commission (OTC) adopt findings of fact when adopting modal plans or plan amendments (OAR 731-015-0055) or when adopting facility plans (OAR 731-015-065). Pursuant to these requirements ODOT provides the following findings to support the OTC adoption of the I-82/US 730 Interchange Area Management Plan (IAMP). The I-82/US 730 IAMP, attached as Exhibit A, seek to amend the Oregon Highway Plan (OHP) to identify the Interchange Access Management Plan approved through local comprehensive plan, Transportation System Plan, and development ordinance amendments in the City of Umatilla and Umatilla County as the appropriate mechanism within which to develop a road network and ensure the protection of the function and capacity of both the Umatilla Interchange at Exit 1 along I-82.

The approved IAMP is located on I-82 at the City of Umatilla and encompasses properties within approximately ½ mile of the interchange as shown in Figure 1-1 in the IAMP. The I-82/US 730 IAMPs establishes management objectives for the interchange facilities and local roadway network.

#### **731-015-0055**

#### **Coordination Procedures for Adopting Modal Plan Amendments**

- 1) Except in the case of minor amendments, the Department shall involve DLCD and affected metropolitan planning organizations, cities, counties, state and federal agencies, special districts and other interested parties in the development or amendment of a modal systems plan. This involvement may take the form of mailings, meetings, or other means that the Department determines are appropriate for the circumstances. The Department shall hold at least one public meeting on the plan prior to adoption.

*Finding:* The I-82/US 730 IAMP used a concurrent, open and ongoing public involvement process which included community members, business owners, the City of Umatilla, Umatilla County, ODOT including Motor Carriers and DLCD. The I-82/US 730 IAMP public process looked to solve current and future transportation needs, and avoid and minimize impacts to the natural and built environments in the project area. In addition to the public Project Management Team (PMT) meetings, the public involvement process included:

- Public open-house workshops
- Adoption process at the City of Umatilla and Umatilla County

- 2) The Department shall evaluate and write findings of compliance with all applicable statewide planning goals.

*Finding:* Findings for the I-82/US 730 IAMP is attached for the Commission's consideration. The findings address compliance with applicable statewide planning goals and the comprehensive plan of the affected cities and counties. These findings are attached as Exhibit B.

- 3) If the draft plan identifies new facilities which would affect identifiable geographic areas, the department shall meet with the planning representatives of affected cities, counties, and metropolitan planning organizations to identify compatibility issues and the means of resolving them. These may include:
  - (a) Changing the facility plan to eliminate the conflicts;
  - (b) Working with the local governments to amend the local comprehensive plans to eliminate the conflicts; or
  - (c) Identifying the conflicts in the draft facility plan and including policies that commit the Department to resolving the conflicts prior to the conclusion of the transportation planning program for the affected portions of the transportation facility.

*Finding:* The Department has received a copy of the adoption ordinances with the findings of compatibility with the local comprehensive plan and applicable local ordinances and applicable statewide planning goals from both the City of Umatilla and Umatilla County. These ordinances are attached as Exhibit C.

- 4) The Department shall present to the Transportation Commission the facility plan, findings of compatibility with the acknowledged comprehensive plans of the affected city and county and findings of compliance with applicable statewide planning goals.

*Finding:* The Department has received a copy of the adoption ordinances with the findings of compatibility with the local comprehensive plan and applicable local ordinances and applicable statewide planning goals from both the City of Umatilla and Umatilla County. These ordinances are attached as Exhibit C.

The Transportation Commission, when it adopts a final modal systems plan, shall adopt findings of compatibility for new facilities affecting identifiable geographic areas and findings of compliance with all applicable statewide planning goals.

*Finding:* Findings for the I-82/US 730 IAMP is attached for the Commission's consideration. The findings address compliance with applicable statewide planning goals and the comprehensive plan of the affected cities. These findings are attached as Exhibit B.

The Department shall provide copies of the adopted final facility plan and findings to DLCD, to affected metropolitan planning organizations, cities, counties, state and federal agencies, special districts and to others who request to receive a copy.

*Finding:* The Department has provided copies of the adopted Interchange Area Management Plans, including all required findings, to DLCD, the affected local jurisdictions, and others who request a copy.

## **731-015-0065**

### **Coordination Procedures for Adopting Final Facility Plans**

- 1) Except in the case of minor amendments, the Department shall involve DLCD and affected metropolitan planning organizations, cities, counties, state and federal agencies, special districts and other interested parties in the development or amendment of a facility plan. This involvement may take the form of mailings, meetings or other means that the Department determines are appropriate for the circumstances. The Department shall hold at least one public meeting on the plan prior to adoption.

*Finding:* The I-82/US 730 IAMPs used a concurrent, open and ongoing public involvement process which included community members, business owners, the City of Umatilla, Umatilla County, ODOT and DLCD. The I-82/US 730 IAMP public process looked to solve current and future transportation needs, and avoid and minimize impacts to the natural and built environments in the project area. In addition to the public Project Management Team (PMT) meetings, the public involvement process included:

- Public open-house workshops
  - Adoption process at the City of Umatilla and Umatilla County
- 2) The Department shall provide a draft of the proposed facility plan to planning representatives of all affected cities, counties, and metropolitan planning organization and shall request that they identify any specific plan requirements which apply, any general plan requirements which apply and whether the draft facility plan is compatible with the acknowledged comprehensive plan. If no reply is received from an affected city, county or metropolitan planning organization within 30 days of the Department's request for a compatibility determination, the Department shall deem that the draft plan is compatible with that jurisdiction's acknowledged comprehensive plan. The Department may extend the reply time if requested to do so by an affected city, county or metropolitan planning organization.

*Finding:* The Department has received the applicable local ordinances from both the City of Umatilla and Umatilla County. These ordinances are attached as Exhibit C.

If any statewide goal or comprehensive plan conflicts are identified, the Department shall meet with the local government planning representatives to discuss ways to resolve the conflicts. These may include:

- (a) Changing the draft facility plan to eliminate the conflicts;
- (b) Working with the local governments to amend the local comprehensive plans to eliminate the conflicts; or
- (c) Identifying the conflicts in the facility plan and including policies that commit the Department to resolving the conflicts prior to the conclusion of the transportation planning program for the affected portions of the transportation facility.

*Finding:* No statewide goal or comprehensive plan conflicts have been identified with the I-82/US730 Interchange Area Management Plan.

- 3) The Department shall evaluate and write draft findings of compatibility with acknowledged comprehensive plans of affected cities and counties, findings of compliance with any statewide planning goals which specifically apply as determined by OAR 660-030-0065(3)(d), and findings of compliance with all provisions of other statewide planning goals that can be clearly defined if the comprehensive plan of an affected city or county contains no conditions specifically applicable or any general provisions, purposes or objectives that would be substantially affected by the facility plan.

*Finding:* Findings for the I-82/US 730 IAMPs are attached for the Commission's consideration. The findings address compliance with applicable statewide planning goals and the comprehensive plan of the affected cities. These findings are attached as Exhibit B.

The Department shall present to the Transportation Commission the draft plan, findings of compatibility with the acknowledged comprehensive plans of the affected cities and counties and findings of compliance with applicable statewide planning goals.

*Finding:* The I-82/US 730 IAMP and findings are attached for the Commission's consideration. The findings address compliance with applicable statewide planning goals and the comprehensive plan of the affected cities. These findings are attached as Exhibit B. The Department has received applicable local ordinances from the City of Umatilla and Umatilla County. The ordinances are attached as Exhibit C.

The Transportation Commission shall adopt findings of compatibility with the acknowledged comprehensive plans of affected cities and counties and findings of compliance with applicable statewide planning goals when it adopts the final facility plan.

*Finding:* Findings for the I-82/US 730 IAMP is attached for the Commission's consideration. The findings address compliance with applicable statewide planning goals and the comprehensive plan of the affected cities. These findings are attached as Exhibit B.

- 4) The Department shall provide copies of the adopted final facility plan and findings to DLCDC, to affected metropolitan planning organizations, cities, counties, state and federal agencies, special districts and to others who request to receive a copy.

*Finding:* The Department will provide copies of the adopted IAMPs, including all required findings, to DLCDC, the affected local jurisdictions, and others who request a copy.

**EXHIBIT B**  
**ODOT Findings of Fact**  
**I-82/US 730 Interchange Area Management Plan**

**INTRODUCTION**

The I-82/US730 Interchange Area Management Plan (IAMP) findings section is divided into three sections. The first addresses the I-82/US 730 IAMP consistency with Federal laws; the second, consistency with State of Oregon plans, policies, and rules; and the third, consistency with applicable regional and local plans.

Through the development of the I-82/US 730 IAMP, the plan is in compliance with relevant federal and state planning goals and plans. These include Statewide Planning Goals and Guidelines, Oregon Transportation Plan, (1992), Oregon Highway Plan (1999) and amendments, Freight Moves the Economy (1999), Transportation Planning Rule (OAR 660-012), and the Access Management Rule (OAR 734-051).

**FEDERAL LAWS COMPLIANCE**

**National Environmental Policy Act (NEPA), Pub. L. 91-190, 42 U.S. Code 4321- 43478**

An environmental impact statement was not required to conduct the I-82/US 730 IAMP.

*Finding:* Although, an environmental impact statement was not required to conduct I-82/US 730 Interchange Area Management Plan, existing environmental conditions and potential issues were identified. The State Historic Preservation Office (SHPO) records search revealed nearly 30 cultural resources sites within a 1-mile radius of the IAMP study area. Potential impacts to cultural resources will need to be identified as the project moves forward.

**STATE PLANS, POLICIES, AND RULES**

**Oregon Statewide Planning Goals Compliance**

Relevant Statewide Planning Goals adopted by the Land Conservation and Development Commission (LCDC) include Goal 2 (Land Use Planning), Goal 5 (Open Spaces, Scenic and Historic Areas, and Natural Resources), Goal 11 (Public Facilities Planning), Goal 12 (Transportation), and Goal 14 (Urbanization). Goal 2 requires that a land use planning process and policy framework be established as a basis for all decisions and actions relating to the use of land. Goal 5 requires that plans provide for the preservation of natural areas consistent with an inventory of the scientific, educational, ecological, and recreational needs. Goal 11 requires cities and counties to plan and develop a timely, orderly, and efficient arrangement of public facilities and services to serve as a framework for urban and rural development. Goal 12 requires cities, counties, metropolitan planning organizations, and ODOT to provide and encourage a safe, convenient, and economic transportation system; this is the Goal implemented through the Transportation Planning Rule. Goal 14 regulates activities within urban growth boundaries.

*Finding:* The I-82/US 730 IAMP is consistent with applicable Statewide Planning Goals as this project is consistent with the Department of Land Conservation and Development (DLCD) acknowledged plans and the City of Umatilla and Umatilla County Comprehensive Plans. The project is compliant and compliments the City of Umatilla and the Umatilla County Transportation System Plans and local zoning and subdivision ordinances.

**Oregon Transportation Plan Compliance**

“The purpose of the Oregon Transportation Plan is to guide the development of a safe, convenient, and efficient transportation system which promotes economic prosperity and livability for all Oregonians.” The OTP defines broad policies for the state transportation system. The plan defines a minimum level of service or mobility target for highways.

*Finding:* The I-82/US 730 IAMP is consistent with the OTP because the I-82/US 730 IAMP identifies improvements that will provide safe and efficient movement of people and freight in the interchange study area. The OTP does not specifically address improvements to the I-82/US730 IAMP study area, but offers a broad policy framework and standards for improving state highway systems. The I-82/US 730 IAMP has

been developed to be consistent with the OTP, and more specifically, the Oregon Highway Plan, which is an element of the OTP.

### **Oregon Highway Plan Compliance**

The I-82/US 730 IAMP was developed in accordance with the policies set forth in the Oregon Highway Plan (OHP). The following identifies the OHP policies that pertain to the I-82/US 730 IAMP and how the IAMP satisfy the requirements.

Policy 1A: State Highway Classification System. The state highway classification system includes five classifications: Interstate, Statewide, Regional, District, and Local Interest Roads. In addition, there are four special purpose categories that overlay the basic classifications: special land use areas, statewide freight route, scenic byways, and lifeline routes. Within the Interchange Management Study Area (IMSA), there are three ODOT highways. Interstate 82, the McNary Highway, is an Interstate Highway and is part of the National Highway System (NHS). US 730, the Columbia River Highway, is classified as a Statewide Highway from the southbound I-82 ramp terminal east to US 395. Between the I-82 northbound ramp and US 395, it is designated as a Freight Route and a Truck Route. West of the southbound terminal, it is classified as a Regional Highway and is not a NHS route but is designated a Truck Route. US 395, the Umatilla- Stanfield Highway, is classified as a Statewide Highway by the OHP. It is also a designated Freight Route and Truck Route and intersects with US 730 within the IMSA.

*Finding:* The I-82/US 730 IAMP recognized the respective functions of each highway. Relocating the existing Port of Entry (POE) will allow US 730 to serve its regional role, instead of all truck traffic required to enter the POE. The plan also includes accessory weigh facilities along US 730 and US 395, recognizing their need to serve freight traffic.

Policy 1B: Land Use and Transportation. This policy recognizes the role of both the State and local governments related to the state highway system and calls for a coordinated approach to land use and transportation planning.

*Finding:* The I-82/US 730 IAMP was developed through a cooperative planning effort between the City of Umatilla, Umatilla County, ODOT, and DLCDD. The IAMP will be implemented by the City of Umatilla through an Interchange Management Overlay District that will require coordinated agency review on all future development or land use actions within the District.

Policy 1C: State Highway Freight System. This policy recognizes the need for the efficient movement of freight through the state. Interstate 82, US 395 and sections US 730 is designated freight routes.

*Finding:* The transportation improvement plan for the I-82/US 730 IAMP improves traffic operations and safety along US 730 and at the interchange, which will ensure freight mobility is preserved along US 730 and US 395 corridors. The relocated POE along I-82 will also be able to more efficiently serve freight traffic than it is able in its current location.

Policy 1F: Highway Mobility Standards Access Management Policy. This policy addresses state highway performance expectations, providing guidance for managing access and traffic control systems related to interchanges.

*Finding:* The I-82/US 730 IAMP demonstrates that the interchange will be able to meet ODOT mobility standards through the 20-year horizon. It also provides an access management element that improves access management within the IMSA.

Policy 1G: Major Improvements. This policy requires maintaining performance and improving safety by improving efficiency and management before adding capacity.

*Finding:* The I-82/US 730 IAMP provides measures to increase efficiency through access management and provides improvements to the local street system.

Policy 2B: Off-System Improvements. This policy recognizes that the state may provide financial assistance to local jurisdictions to make improvements to local transportation systems if the improvements would provide a cost-effective means of improving the operations of the state highway system.

*Finding:* Section 8 of the IAMP identifies a series of procedural steps that the City, County and ODOT will take regarding improvements to the local circulation network, including the realignment of Brownell Boulevard. Specific access management responsibilities have been set according to State and City responsibilities.

Policy 2F: Traffic Safety. This policy emphasizes the state’s efforts to improve safety of all uses of the highway system. Action 2F.4 addresses the development and implementation of the Safety Management System to target resources to sites with the most significant safety issues.

*Finding:* The potential safety issues identified within the IMSA relate to queues spilling back from other intersections into the ramp terminals. The transportation improvement plan outlined in Section 7 of the IAMP addresses these issues. The access management element was also developed to ensure the long-term safety of the interchange area.

Policy 3A: Classification and Spacing Standards. This policy addresses the location, spacing and type of road and street intersections and approach roads on state highways. The adopted standards can be found in Appendix C of the Oregon Highway Plan.

*Finding:* See Policy 3C below.

Policy 3C: Interchange Access Management Areas. This policy addresses management of grade-separated interchange areas to ensure safe and efficient operation between connecting roadways. Action items include developing interchange area management plans to protect the function of the interchange to provide safe and efficient operations between connecting roadways and to minimize the need for major improvements of existing interchanges. The local jurisdiction’s role in access management is stated in Policy 3C as follows: “necessary supporting improvements, such as road networks, channelization, medians and access control in the interchange management area must be identified in the local comprehensive plan and committed with an identified funding source, or must be in place (Action 3C.2).”

Access management standards are detailed in Policy 3C and include the distance required between an interchange, approaches, and intersections. The most stringent standards apply in interchange areas. Table 17 of the OHP contains the minimum spacing standards applicable to the I-82/US 730 Interchange, a freeway interchange that has a multi-lane crossroad. The spacing standards in an urban area for this type of interchange are:

|                    |  |
|--------------------|--|
| 1 mile (3.2 km)    | Distance between the start and end of tapers of adjacent interchanges.                                 |
| 750 feet (230 m)   | Distance to the first approach on the right (right in/right out only)                                  |
| 1,320 feet (400 m) | Distance to the first major intersection or approach (left turns allowed).                             |
| 990 feet (300 m)   | Distance between the last right in/right out approach road and the start of the taper for the on-ramp. |

*Finding:* The I-82/US 730 IAMP includes an access management element that consolidates access points and improves access spacing over the existing conditions. Ultimately, upon land redevelopment, access on either side of the interchange will be improved but it will not meet the standards outlined above. Section 7 of the I-82/US 730 IAMP outlines where deviations will be necessary and describes how each of the necessary deviations meets the requirements of Division 51.

Policy 4A: Efficiency of Freight Movement. This policy emphasizes the need to maintain and improve the efficiency of freight movement on the state highway system. Interstate-82, US 395 and sections of US 730 are designated Freight Routes.

*Finding:* The transportation improvement plan for the I-82/US 730 IAMP improves traffic operations and safety along US 730 and at the interchange, which will ensure freight mobility is preserved along the US 730 and US 395 corridors. The relocated POE along I-82 will also be able to more efficiently serve freight traffic than it is able to in its current location.

Policy 5B: Scenic Resources. This policy applies to all state highways and commits the State to using best management practices to protect and enhance scenic resources in all phases of highway project planning, development, construction, and maintenance.

*Finding:* This policy was considered as part of the plan development for the I-82/US 730 IAMP.

### **Transportation Planning Rule (Oregon Administrative Rule 660-012)**

The Transportation Planning Rule (TPR) implements Statewide Planning Goal 12 (Transportation), which encourages construction of transportation facilities that promote the development of safe, convenient, and economic transportation systems that are designed to reduce reliance on the automobile and reduce air pollution, congestion, and other livability issues found in urban areas. Much of the TPR relate to the formation and implementation of local Transportation System Plans. The TPR also addresses changes to a functional plan, an acknowledged comprehensive plan, or a land use regulation that would significantly affect an existing or planned facility.

*Finding:* The City of Umatilla and Umatilla County has adopted a transportation system plan that is acknowledged by the Land Conservation and Development Commission. The I-82/US 730 IAMP was developed and adopted by local governments to provide an overview of how the interchange will function and provide safe travel for users. The Department has received applicable local adoption ordinances from the City of Umatilla and Umatilla County. These ordinances are attached as Exhibit C.

### **Access Management Rule (Oregon Administrative Rule 734-051)**

The intent of ODOT's Access Management Rule is to balance the safety and mobility needs of travelers along state highways with the access needs of property and businesses owners. ODOT's rule sets guidelines for managing access to the state's highway facilities in order to maintain highway function, operations, safety, and the preservation of public investment consistent with the policies of the 1999 OHP. This rule applies to the location, construction, maintenance and use of approaches onto the state highways. The rule also governs closure of existing approaches, spacing standards, medians, deviations, appeal processes, grants of access and indentures of access.

*Finding:* The I-82/US 730 IAMPs work toward improving the safety and efficiency of the interchanges for the long-term and sets access requirements that are consistent with the Oregon Highway Plan and OAR 734-051. Table 9-1 in the IAMP identifies the required planning elements of OAR 734-051 and documents how the IAMPs satisfy the requirements. A Letter of Concurrence from the Region Access Management Engineer is attached as Exhibit D.

## **REGIONAL AND LOCAL PLANS AND POLICIES**

Regional and local planning documents relevant for the I-82/US 730 IAMP improvements are the City of Umatilla and Umatilla County's Transportation System Plan and Comprehensive Plan.

*Finding:* The I-82/US 730 IAMP has been developed to be consistent with local and state transportation policies. The review of local policies and regulations did not reveal conflicts with the primary goal of the IAMP to protect the function of the interchange. The Department has received findings from the City of Umatilla and Umatilla County that the show how the IAMP meets the necessary criteria of the applicable Comprehensive Plan, Zoning Ordinances and Subdivision Ordinances. Documentation of compatibility with local plans, policies and ordinances are attached as Exhibit C.