AGENDA<br>REGULAR CIIY COUNCIL MEHTING<br>December 14, 2009<br>5:30 p.m<br>WASCO COUNTY COURTHOUSE CIRCUIT COURTROOM<br>511 WASHINGTON STREET THE DALLES, OREGON

1 CALL TO ORDER
2. ROLL CALL OF COUNCIL
3. PLEDGE OF ALLEGLANCE

4 APPROVAL OF AGENDA
5. PRESENTATIONS/PROCLAMATIONS
6. AUDIENCE PARTICIPATION

During this portion of the uneeting, anyone may speak on any subject wheln does not later appear on the agenda. Five minutes per person will be allowed. If a response by the City is requested, the speaker wisl be referred to the City Manager for further action. The issue may appean on a future meeting agenda for City Comucil consideration.
7. CITY MANAGER REPORT

8 CITY ATTORNEY REPORT
9. CITY COUNCIL REPORTS
10. CONSENT AGENDA

Items of a routine and non-controversial nature are placed on the Consent Agenda to allow the City Counc:l to spend its time and encrgy on the important itens and issues. Any Councilor may request an item be "pulled" from the Consent $\Lambda$ genda and be considered separately. Items pulled from the Consent Agenda will be placed on the Agenda at the end of the "Action Items" section.
A. Approval of November 23, 2009 Regular City Council Meeting Minutes
B. Approval of November 16, 2009 Special City Council Meeting Minutes
C. Approval of November 16, 2009 Town Hall Meeting Minutes
D. Resolution No. 09-036 Adopting a Policy for Use of Electronic Messages and Retention of Such Messages for the City Council
E. Resolution No. 09-039 Concurring With the Mayor's Appointment of Demos Davis to the Historic Landmarks Commission
11. PEBLIC. HEARINGS
A. Public Hearing to Receive Testimony Regarding Remand of Approval for Site Plan \#379-08 of Pacland for the Construction of a Wal-Mart Store [Agenda Staff Report \#09-093]

## 12. ACTION ITEMS

A. Resolution No. 09-037 Adopting a Supplemental Budget for Fiscal Year 2009-10, Making Appropriations and Authorizing Expenditures From and Within the General Fund, Sewer Special Reserve Fund, Capital Projects Fund and Special Grants Fund [Agenda Staff Report \#09-091]
B. Resolution No. 09-038 Authorizing Transfers of Budget Funds Between Departments and Categories of the Sewer Reserve Fund for the Fiscal Year Ending June 30, 2010 [Agenda Staff Report \#09-092]

## 13. ADIOURRNMENT

## This meeting conducted in a handicap accessible room.

Prepared by/
Julie Krucger, MMC
City Clerk


## AGENDA STAFF REPORT <br> CITY OF THE DALIIES

| MEETING DATE | AGENDA LOCATION | AGENDA REPORT \# |
| :---: | :---: | :---: |
| December 14,2009 | Consent Agenda | N/A |

TO: $\quad$ Honorable Mayor and City Council
FROM: Julie Krueger, MMC, City Clerk
THRU: Nolan K. Young, City Manager
DATE: November 30, 2009

ISSUE: Approving items on the Consent Agenda and authorizing City staff to sign contract documents.
A. ITEM: Approval of November 23, 2009 Regular City Council Meeting Minutes.

BUDGET IMPLICATIONS: None.
SYNOPSIS: The minutes of the November 23, 2009 regular City Council meeting have been prepared and are submitted for review and approval.

RECOMMENDATION: That City Council review and approve the minutes of the November 23, 2009 regular City Council meeting.
B. ITEM: Approval of November 16, 2009 Special City Council Meeting Minutes.

## BUDGET IMPLICATIONS: None.

SYNOPSIS: The minutes of the November 16, 2009 special City Council meeting have been prepared and are submitted for review and approval.

RECOMMENDATION: That the City Council review and approve the minutes of the November 16, 2009 special City Council meeting.
C. ITEM: Approval of the November 16, 2009 Town Hall Meeting Minutes.

## BUDGET IMPIICATIONS: None.

SYNOPSIS: The minutes of the November 16, 2009 Town Hall meeting have been prepared and are submitted for review and approval.

RECOMMENDATION: That City Council review and approve the minutes of the November 16, 2009 Town Hall meeting.
D. ITEM: Adoption of Resolution No. 09-036, adopting a policy for use of clectronic messages and retention of such messages for the City Council.

## BUDGET IMPLICATIONS: None.

SYNOPSIS: As public bodies have increased their use of electronic messages (referred to as e-mail) as a communication tool, the public bodies have been advised to develop a policy for the use of email messages generated by members of the governing body, and for the retention of email messages generated by members of the governing body. City staff has prepared a proposed policy for the City Council, which has been reviewed and approved by the Council. The proposed policy is included as an cxhibit for Resolution No. 09-036.

RECOMMENDATION: The Council adopt Resolution No. 09-036 as part of the Consent Agenda.
E. TTEM: Resolution No. 09-039 Concurring With the Mayor's Appointment of Dennis Davis to the Historic Landmarks Commission.

BUDGET IMPLICATIONS: None.
SYMOPSIS: The Mayor has selected Dennis Davis to fill an expired term on the Historic Landmarks Commission, term to expire May 31, 2013.

RECOMMENDATION: The Council adopt Resolution No. 09-039 concurring with the Mayor's appointment of Dennis Davis to the Historic Landmarks Comnnission.

MINUTES<br>REGULAR COUNCIL MEETING<br>OF<br>NOVEMBER 23, 2009<br>5:30 P.M.<br>WASCO COUNTY COURTHOUSE<br>THE DALLES, OREGON

PRESIDING: Mayor Nikki Lesich<br>COUNCIL PRESENT: Bill Dick, Carolyn Wood, Jim Wilcox, Dan Spatz, Brian Ahier COUNCLL ABSENT: None<br>STAFF PRESENT: City Manager Nolan Young, City Attomey Gene Parker, City Clerk Julie Krueger, Senior Planner Dick Gassman, Police Chief Jay Waterbury, Administrative Intern Jared Cobb, Finance Director Kate Mast, Engincer Dale McCabe, Community Development Director Dan Durow, Police Captain Ed Goodman

## CALL TO ORDER

Mayor Lesich called the meeting to order at 5:31 p.m.

## ROLLCALL

Roll call was conducted by City Clerk Krueger; all Councilors present.

## PLEDGE OF ALLEGIANCE

Mayor Lesich invited the audience to join in the Pledge of Allegıance.

## APPROVAL OF AGENDA

Mayor Lesich asked the Council to amend the agenda by adding authorization for City Clerk to endorse an OLCC change in ownership application for the Columbia Portage Grill, to the

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It was moved by Wood and seconded by Dick to approve the agenda as amended. The motion carried unanmously.

## PRESENTATIONS/PROCLAMATIONS

## Audit Presentation

The annual audit was presented by Rob Tremper of Dickey \& Tremper. He highlighted the atdit findings, corrected and uncorrected misstatements, and audit issues. Tremper said a clean audit opinion had been provided and that the audit had gone well.

Councilor Spatz asked if Tremper belieyed there would be any auditing challenges in the upcoming year due to federal grant reporting, 'Tremper said staff had been trained in reporting requirements and expected it to go well. He said it was important for departments to communicate well with the Finance staff.

Finance Director Mast said staff had developed a system for project tracking, but due to the amount of fedcral funding received, a single audit would be required. Tromper satd if more than $\$ 500,000$ was received in federal funding, there would be significant audit requirements.

Councilor Ahier asked staff to provide periodic updates to the City Council on their progress to eliminate duplicate files.

It was moved by Wood and seconded by Spatz to accept the Audit Report.

## RECESS TO URBAN RENEWAL AGENCY MEETING

Mayor Lesich recessed the City Council meeting to convene as the Urban Renewal Agency at 5:48 p.m.

## RECONVENE TO CITY COUNCII, MEETING

The City Council mecting reconvened at 6:00 p.m.

## ALDIENCE PARTICIPATION

City Attorney Parker stated that comments concerning the Wal-Mart issue should not be considered under Audience Participation. He said strict land use guidelines were in place concerning the matter and to hear comments under audience participation could be considered as ex-parte contact for the City Council.

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Councilor Ahier asked how the citizens could communicate their concerns to the City Council. City Manager Young said the City Council could determine wihat they wanted to hear when the item appeared on the agenda. He said those comments would not be appropriate during thas portion of the agenda.

Steve Kelsey, 3850 Knob Hill Road, The Dalles, questioned when the location of the meeting was changed. He said the newspaper reported it would be held at City Hall.

City Manager Young said the agenda was published and available on the website ten days prior to the meeting and was always scheduled to be at the Courthouse. He said the location had not been changed since that time and notices had heen posted at City Hall to let people know the location was at the Courthouse.

Adam Gishner, 1314 Washington Street, The Dalles, said it was unfair to suppress public opinion.

City Manager Young saud the Wal-Mart issue was a quasi-judicial process and rules must be followed. He said staff was responsible to ensure faimess to all parties involved.

## CITY MANAGER REPORT

None.

## CITY ATTORNEY REPORT

None.

## CITY COUNCIL REPORTS

None.

## CONSENT AGENDA

It was moved by Wood and seconded by Wilcox to approve the Consent Agenda as amended. The motion carried unanimously.

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Items approved by Consent Agenda were: 1) approval of November 9, 2009 regular City Council meeting minutes; 2) approval to declare Police Department vehicle as surplus property; 3)
Resolution No. 09-034 authorizing transfers of budget funds between departments and categories of the General Fund for the fiscal year ending June 30, 2010, and 4) authorization for City Clerk to endorse an OLCC change in ownership application for Portage Grill.

## PUBLIC HEARINGS

## Public Hearing to Receive Testimony Regarding Proposed Rate Increase by The Dalles Disposal

Mayor Lesich rovicwed the procedures to be followed for the public hearing.
City Attomey Parker reviewed the staff report.

## Testimony

Erwin Swetnam, The Dalles Disposal, testified in support of the application and in response to a question asked at a previous meeting, said that cost reduction efforts were primarily in low tum over in employees, training and safety, reducing the mury and accident rates. He sald the company was slowly investing in updated trucks which were much safer for the employees and would require fewer trips to the landfill, resulting in fuel savings.

Councilor Spatz said he had been asked by a citizen if any additional recycling services were proposed, such as offering more variety in what could be recycled. Mr. Swetnam said there were no plans to add items in the near future. Spatz said he appreciated the services offered by The Dalles Disposal.

Councilor Wilcox asked if the new trucks had more wheels to spread out the weight. Swetnam said they had an extra axle.

Mayor Lesich asked if The Dalles was doing better with recycling numbers over the past year. Swelnam said they recycling was good, but the problem was that some recycling companies were not reporting, which made the numbers seem lower.

Hearing no further testimony, the public hearing was closed.

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Resolution No. 09-035 Approving a Rate Increasc of $1.5 \%$ for Scrvices Provaded by The Dalles Disposal Service for Increased Operational Costs by The Dalles Disposal Service. Inc.

It was moved by Wilcox and seconded by Wood to adopt Resolution No. 09-035 approving a rate nacrease of $1.5 \%$ for services provided by The Dalles Disposal Services for increased operational costs by The Dalles Disposal Service, Inc. The motion carried unamimously.

## ACTION ITEMS

Determination of Scope of Issues to be Considered During Remand Hearing on Approval of Site Plan for Proposed Wal-Mart Store and Scheduling of Date for Remand Hearing

City Attorncy Parkcr revicwed the staff report. He noted the Land Cise Board of Appeals (LUBA) had entered a final opinion and order on October 8, 2009, remanding the Site Plan application of Wal-Mart because the City failed to adequately explain the traffic counts taken on a weekday to measure the $30^{\text {th }}$ highest hour volumes for traffic. Parker said the City had 30 days from the date of the applicants request to proceed, to make a final decision concerning the remanded matter.

Parker said the City's Land Use Development Ordnance (LUDO) did not melude specufic provisions establishing procedures for a hearing remanded by LUBA and the City Council had authority to decide the scope of issues to be considered in the remand hearing.

Parker reviewed his momorandum to the Cily Council, saying that LUBA had only remanded the traffic count question. He said the other issues that were decided by I,UBA had been decided in the City's favor and should not be re-considered by the City Council.

Parker rominded the City Council that they had previously made a Finding that Goal 9 of the Comprehensive Plan was not a requirement applied to the site plan application and the appellants did not raise the issue on appeal to LUBA. He recommended the City Council limit the public hearing to only the item remanded by LUBA.

City Attomey Parker said there were rules and procedures for quasi-judicial hearings which must be followed. He recommended to the City Council they allow testimony from the applicant, appellant, and interested citizens regarding items they would like the City Council to consider in the scope of the hearing, but said it would not be appropriate for testimony to include the merits of the issues.

Councilor Alier asked when there would be an opporlunity to hear concerns of the public. City Manager Young said the land use process needed to be protected He suggested when the issue

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was completed, the Council could conduct a meeting to hear from the citizens. He said staff was only trying to protect the process.

City Attorncy Parker said if the Council decided to accept input on more than just the scope of the hearing, additional written testimony would be presented at that time.

Councilor Spatz said the City Council needed to decide if they supported the recommendation of the City Attorney. He said to go against their own legal counsel would not be a good idea. City Attorney Parker said it was his job to advise and gude the Council, but they had the ultimate decision. Parker said there was a risk of challenge if the Council allowed input regarding the merits of the hearing.

Councilor Dick asked if the Interchange Area Management Plan (IAMP) was a part of the traffic count remand issue. City Attorney Parker said the remanded issue was the traftic counts, not the IAMP. He again recommended that the City Council restrict the scope of the hearing to the remanded issue only.

Councilor Dick said he did want to hear from the citizens, but understood the need to protect the process. He expressed frustration that the audience did not understand the process or why they were not allowed to share their opinions. He suggested holding an additional meeting to hear testimony and said he did not want to rush the process.

It was the consensus of the City Council to hear public comments first, followed by the applicant and appellant comments.

## Public Comments

Joe Usatine, 2426 West $13^{\text {th }}$ Street, The Dalles, asked the Council to consider what would happen to the town regarding businesses closing if Wal-Mart was allowed to come to The Dalles. He said his experience of a Wal-Mart in another town had not becn favorable to the town.

City Attorney Parker said it was not appropriate to talk about economic innpacts and prior experiences.

Mr. Usatine asked the Council to consider the possible economic impact of a Wal-Mart to the community.

Tim Pitts, 307 West $20^{\text {th }}$ Street, The Dalles, asked the City Council to consider envirommental and conscrvation concems, saying the proposed location was a natural arca and should remain so.

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Steve Kelsey, 3850 Knob Hill Road, The Dalles, asked the Council to consider the uses allowed for the property. He said changing the use to commercial put a burden on Wasco County to provide new roads. He said the applicant should have the burden to pay for development, not the County. Mr. Kclscy said he had previously served on the Wasco Counly Plaming Commission and urged the City Council not to worry about deciding against staff recommendations.

Anya Kaufa, 202 West $13^{\text {th }}$ Street, The Dalles, asked the City Council to consider the importance of community spirit and to keep The Dalles a special place for its resideuts.

Natalic Foster, 210 West Fourth Street, The Dalles, asked the City Council to consider more appropriate localions for a retail store, saying there were many abandoned stores and blighted areas in town that may better serve as a location.

Adam Gishner, 1314 Washington Street, The Dalles, agreed with Ms. J'oster and asked the Council to also consider the impact to small business owners.

Loren Richman, 5225 Chenowith Road, The Dalles, urged the City Council to limit the scope of the hearing to the item remanded by LUBA, to place time restrictions on the hearmeg and to move forward with a decision. He thanked the City Councl for the work they were doing.

Bill Elton, 715 Garrison Street, The Dalles, said there was not an adequate number of grocery stores for the size of the community. He said the Country was founded on competition and it was what kept us strong.

City Manager Young asked if Mr. Elton was indicating the Council should also consider positive cconomic conditions of the application. Mr. Elton said that was correct.

Crystal West, 307 West $20^{\text {th }}$ Street, The Dalles, urged the Council to move forward, but suggested if another grocery store was needed in the community, it did not need to necessarily be a Wal-Mart.

Doug Hattenhaucr, 3205 Doane Road, The Dalles, asked the City Council to consider requesting an economic impact study and to be sure the traffic study was appropriate. He said it was expensive for the average citizen to appeal a land use action, making it difficull for many people to pursue an appeal. Hattenhauer said the economic issue may not have been raised during the appeal process, but the Council could still do the right thing and require a study.

Death Meyer, 3755 Skyline Road, The Dalles, agreed with the statement of Mr. Hattenhauer, saying it was the right thing to ask for an economic mpacl study.

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Chris Zukin, 915 West $14^{\text {th }}$ Street, The Dalles, said the Plannung Commıssion, City Council, and LUBA had all heard the application and appeals and only one issue was remanded; the traffic impact. He said the City Council should only address that one issue because LUBA had already ruled on the other issues raised under the appeal.

Elizabeth Stroh, 1314 Wrashington Street, The Dalles, asked the City Council to require the applicant to make sustainable energy a priority.

## Applicant Comments

Greg Hathaway, Davis Wright Tremaine, 1300 SW Fifth Avenue, Suite 200, Porland, Oregon, representing Wal-Mart, reviewed the request to initiate remand from LUBA, submitted to the City Council. He said he had requested of staff that the Council hear from the public regarding possible issues to be considered in the scope because Wal-Mart wanted to make sure everyone was heard.

Hathaway sad there had been over 40 hours of testimony at the Planuing Commission and Cily Council hearings and that a lot of work had already gone into this applecation process. He said the City Council had approved the application with many conditions and expense to Wal-Mart and after being appealed to LUBA, only one issue had been remanded to the City. Hathaway said the determination by LUBA was that the City's findings failed to adequately explan why traffic counts taken on a weekday satisfied the requirements to measure the $30^{\text {d/ }}$ highest hour volumes. He said LCBA also found that traffic counts for a weekend day may be necessary for accuracy.

Hathaway requested the Council limit the scope of the remand proceedings to the issue identified by LUBA and to submit evidence explaining why traffic counts taken on a weekday satisfy ODOT's requirements for measuring the $30^{\text {th }}$ highest hour volumes for the inierchange. He further requested the opportunity to submit evidence addressing the LLBA comment of taking traffic counts for the interchange on a weekend. Hathaway requested the Council to schedulc a public hearing, allow Wal-Mart to submit new evidence regarding the weekend traffic counts, allow interested partics to testify regarding any new evidence related to the interchange and limit the scope of the remand hearing to the issues identified by LEBA in its final opinion and order.

## Appellant Comments

Kenneth IIelm, 16289 NW Morrison, Portland, Oregon, represcnting the appellant, agrecd that the scope of the hearing should include a look at the $30^{\text {th }}$ highest hour volume for weekends. He said if the study from DKS Associates was not correct, it could have a big impact on the Chenowith Interchange. He asked that the traffic impact issue include evidence on the $30^{\text {th }}$ highest hour for a Saturday and that the testimony allowed be broad based. Helm asked the

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Council to consider in the scope the wetlands issue. He said since the time of the site plan application, Wal-Mart had discovered many more wetlands on the property, at least 32 additional wetlands. Mr. Helm said the issue should be revisited.

Louise Langhenrich, 2108 Garrison Street, The Dalles, asked the Council to consider the weilands issue because of the high increase in identified wetlands for the property. She said the total wetlands now represented approximately nine acres or 10 city blocks and was a substantial amount of property affected.
langheinrich asked the City Council if staff was authorized to filter the emails sent to them via the City's website. She said the Council says they want citizen input, but the emails didn't reach the Council if stalf withheld them.

Michael Leash, 306 Court Street, The Dalles, said the inability to talk about the economic impact was unfair. He questioned when citizens would have an opportunity to have a discussion with the City Council regarding that matter. Leash said it seemed that the Wal-Mart attorney was threatening the City Council about the scope and what they could hear during the remand process.

Kenneth Helm said it was the City Council's discretion to open the remand hearing to new sssues and recommended they broaden the scope to include not only trafic issues, but wellands issues as well. He said if the political outlook of the City Council had changed or they had any doubs about their prior decision, they had the discretion to open the hearing to additional issues. Helm said the City Council was not dictated to do only what was remanded by LUBA.

Steve Kelsey, 3850 Knob Hill Road, The Dalles, agreed with Mr. Hem, saying the Council could find that other issues could be included in the process.

In response to a question from Mayor Lesich, City Attorncy Parker said the Cily Council had already made a finding that the economic impact was not an appropriate criteria for the site plan review. He said this matter could have been raised on appeal to LUBA by the appellant, but it was not appealed.

Councilor Wilcox said the appellant had also not appealed to the City Council on the matter of economic impact.

Councilor Ahier questioned why the appellant had never raised the economic issues on appeal if it had been so important to them.

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## Applicant Rebuttal

Mr. Hathaway saud he understood the City Council's frustration and said that Wal-Mart was also finstrated. He said they had ahready spent approximately two years on this process and had worked vory hard to follow all the rules and procedures. He said they had met the application process burden. Hathaway said the appellants had failed to raise economic impact on appeal to both the City Council and to LUBA.

Hathaway said it would be unfair to the applicant to expand the scope of the remand as it was the only issuc laft unresolved. He asked the City Council to define the scope as limited to the one issuc. Mr. Hathaway said the LUBA remand included a proposal to review the weekend traffic volume, which had previously been submitted by the appellant for a Sunday. He said it was contrary to all other proceedings to now ask for the counts to be on a Saturday.

Mr. Hathaway said it was inaccurate for the appcllant to say the wetlands delincation had not been done properly. He said LUBA had ruled it was done correctly by allowing the State Division of Tands and the Corps of Engineers to make that determination through their permitting process. Hathaway said the reason there were additional wetlands identified was because they had decided to submit the permit application for the entire piece of property, 67 acres. He said it was an unfair statement that Wal-Mart had previously misstated lhe weilands.

Scott Franklin, Project Manager for Pacland, 6400 SE Lake Road, Porland, Oregon, said the delincation had taken place for the entire 67 acre parcel and they were currently in the permitting phase of the process. He said considering the entire parcel would provide better protection for the sitc. Mr. Franklin said this did not change the City Council's approach to allow the State Division of Lands and the Corps of Engineers to ensure wetlands compliance through then permitting process.

Mr. Hathaway requested the City Council to proceed by deciding the scope of the hearing and to schecdule the public hearing.

## City Council Deliberation

Senior Planner Gassman said staff had received several emails that did not pertain to the scope of the hearing and four that did pertain. The fout emails pertaining to the scope of the remand hearing were submitted as testimony (attached as Exhibit "A").

Councilor Spatz asked if staff held the emails bccausc of concoms they would cause ex-parte contact. City Manager Young said staff had infomed the City Council the emails had been received and that unless it would impact the integrity of a land use process, the cmails would be

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forwarded. City Attorney Parker agreed, saymg the emails could have been considered as exparte contact.

Councilor Ahier asked if a letter was sent to City Council in the mail, whether staff would open and read the letter. City Manger Young said staff routinely opened City Council mail.

Councilor Dick said if Wal-Mart welcomed the comments from citizens at this meeting, they should not be concerned if City Council read emails abour the application.

City Manager Young recommended the City Council take legal advice from the City Attorncy and not from the attorneys providing testimony.

Mr. Hathaway said he respected the City Attomey and the advice he provided to the City Council. He said he had welcomed comments pertaining to what the scope of the remand hearing should include, but would have objected to people testifying as to the merits of the case.

## Recess

Mayor Lesich called a recess at 8:12 p.m. to allow the City Council time to read the four emails pertainng to the scope of the hearing.

## Reconvene

The meeting reconvened at 8:22 p.m.
It was moved by Wilcox and seconded by Ahier to schedule a public hearing on December 14, 2009 to consider the request to proceed with the remand of Wal-Mart's site plan review application; the scope of the remand hearing be limited to the issues identified by LUBA in its Final Opinion and Order related to the Chenowith Interchange, as set forth in the applicant's written request to proceed with the remand; the applicant be allowed to submit new evidence as set forth in the applicant's written request to proceed with the remand; and interested parties be allowed the opportunity to testify regarding any new evidence concerning the issues related to the Chenowith Interchange which would be considered at the December 14, 2009 public hearing.

Councilor Wilcox said the City Council should move forward. Ile said no different information had been presented at this meeting. He said LUBA had upheld the City's approval regarding the wetlands and that the appellants had provided deceptive information by not stating the additional wetlands were included because the applicant had submitted approval for the entire 67 acre parcel Wilcox said no one had ever mentioned using a $30^{\text {lh }}$ highest hour for volume on a Salurday and the City should stay with the proposal to use Sunday counts. He said the appellant

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should stop introducing new suggestions that had never been considered in any of the hearings and that they should have appealed regarding the economics issue. Wilcox sad if people were angry that economic issues could not be discussed they should be angry with the attorncy because it was his fault for not raising it on appeal. He recommended the City Councl lumit the bearing to what was remanded by LUBA and follow the staff recommendation.

Councilor Ahier said LUBA had found the City acted correctly regarding the wetlands issue and did not believe it should be reconsidered. He agreed the process should move forward and be finalızed.

## Extend the Time of the Meeting

It was moved by Spatz and seconded by Wilcox to extend the time of the meeting to 9:00 p.m. The motion carried unanimously.

## Council Deliberation, Continued

Councilor Dick said the Council was bound to follow land use rules, but he was second guessing the original decision to rezone the property. Dick said he was not impressed with ODOT's mothodology to resolve traffic issues and had concents regarding the impact on the Chenowith Intcrehange. Councilor Dick said he supported slowing down the process and looking at the $30^{\text {th }}$ highest hour of volume for both Sunday and Saturday.

Councilor Wood said if she had to consider the zone change for the property again, she would not have supported it. She said she wished the Council could have an economic impact study and wishod the appcllant had raised the issue on appeal. Wood said the Council should proceed with the remand for the traffic issue, but allow for a broad scope of testimony regarding that issue.

Councilor Spatz said he was not opposed to recciving testimony regarding Saturday traffic numbers. He said the cconomic study had never been appealed which prevented the Council from considering that information. Spatz said he hoped that matter could be discussed at a later time.

It was moved by Dick and seconded by Spatz to amend the motion to allow for testimony regarding the $30^{1 \mathrm{l}}$ highest hour traffic volume for Saturday calculations and to allow testimony and evidence from the public.

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Community Development Director Durow said a seasonal adjustment calculation could be applied to allow for traffic counts to be done at any time. He said a survey had been conducted using Sunday, but did not believe a study had included Saturday traffic counts.

Mr. Hathaway said they had prepared a traffic study for Sunday traffic counts, based on the LUBA remand, but had not included Saturday figures because it was not relevant to the I,UBA remand. IIe said being required to conduct an additional study could slow the decision for months.

Councilor Wilcox said he opposed the amendment, saying it was not realistic to ask for additional traffic information beyond what LUBA stated.

City Manager Young asked for clarification regarding the Saturday figures, asking if Council wanted the applicant to provide a study or if they wanted to allow testimony regarding Saturday counts.

It was the consensus of the Council they wanted to allow testimony but were not asking the applicant to provide the additional study.

The amendment to allow for testimony regardmg the $30^{\text {th }}$ highest hour traffic volume for Saturday calculations and to allow testimony and evidence from the public was voted on and carried, Wilcox opposed.

The amended motion to schedule a public hearmg on December 14, 2009 to consider the request to proceed with the remand of Wal-Mart's site plan review application; the scope of the remand hearing be limited to the issues identified by LUBA in its Final Opinion and Order related to the Chenowith Interchange, as set forth in the applicant's written request to proceed with the remand; the applicant be allowed to submit new evidence as set forth in the applicant's written request to proceed with the remand; and interested parties be allowed the opporlunity to testify regarding any new evidence concerming the issues related to the Chenowith Interchange which would be considered at the December 14, 2009 public hearing and to allow for testimony regarding the $30^{11}$ highest hour traffic volume for Saturday calculations and to allow testimony and cvidence from the public was voted on and carried; Wilcox opposed.

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## ADJOURNMENT

Being no further busincss, the meeting adjoumed at 8:50 p.m.
Submitted by:
Julie Krueger, MMC
City Clerk

SIGNED:
Nikki L. Lesich, Mayor

ATTEST:
Julie Krueger, MMC, City Clerk

Richard Gassman

| From: | Ken Helm [kmhelm@comcast.net] |
| :--- | :--- |
| Sent: | Monday, November 23, 2000 8:22 AM |
| To: | Gene Parker; Richard Gassman |
| Subject: | City Council hearing |
| Attachments: | Remand Leter - Nov 23 2009.doc |

Gene,

Attached is a letter concerning the City Council hearing this evening. Will you please provide it to the Council. I expect to be at the hearing and will bring hard copies as well.

Thank you.

Ken
Kenneth D. ITelm
Altomey at Law
16289 NW Mission Oaks Dr.
Beaverton, Or 97006
503.753.6342

Kenneth D. Helm

16289 NW Mission Oiks Drive
BEAVERTON, OR 97006

## TIELEPHONE

503-753-6342

15:MA:L<br>knhelmacomeast.net

VIA E-MAIL AND MAIL DELIVERY
Mr. Genc Parkcr
City Attorney
313 Court Street
The Dalles, OR 97058
November 23, 2009
Re: Remand - Site Plan Review 379-08
Mr. Parker,
As you know, I represent Citizens for Responsible Development in The Dalles. We have reviewed your menorandum of Novenber 12, 2009 which advises the City Council on its options for processing the above remand from the Lattd Use Boatd of Appeals. We have also reviewed Greg Hathaway's November 10, 2009, letter requesting that the city initiate remand proceedings. We offer the following comments.

Traffic Study. Wal-Mart has requested that the city: 1) schedule a public hearing to consider Wal-Mart's request; 2) allow Wal-Mart to submit new evidence as set forth [in Wal-Mart's letter] and, 3) allow interested parties the opportunity to testify regarding any new evidence related to the Chenoweth Interchange.

In general, CFRD agrees with this approach with the following considerations. The City Council should require Wal-Mart to follow ODOT guidelines and utilize the $30^{\text {h }}$ highest hour for calculating the volume to capacity ratio for and Chenoweth Interchange and employ the same process for a Saturday and Sunday calculation. CFRD also request that the City Council not limit the scope of the public testimony and argument to simply reacting to Wal-Mart's new evidence, but also allow ihe pablic to submit their own evidence concerning the $30^{\text {th }}$ highest hour selection and volume to capacity ratio. CFRD also requests that the City Council schedule at least two public hearings on this matter. One hearing to examine and respond to Wal-Mart's new evidence, and another to review and respond to the city's new findings in response to LUBA's remand. There is certainly sufficient time to accommodate such a schedule.

Wetlands. While CFRD agrees that the City Council may limit the scope of LUBA rcmand proceeding to issued identified by LUBA, it is not required to do so. This is true particularly where new evidence is available related to the proposed site plan. CFRD has
submitted wetland maps to the city based on Wal-Mart's studies which show several times more wetlands than were originally identified in the site plan approved by the City Council. ${ }^{\text {i }}$ While LUBA agreed with the city as to the wetlands that were identified in Wal-Mart's original site plan, LUBA's decision cannot be reasonably extended to these newly discovered wetlands and vernal pools.

Based on its prior findings, the city was forced to argue at LUBA that the wetlands identified on Wal-Mants original site plan were insignificant and not worthy of protection under the city code. Is that truly the City Council's position with regard to wetlands inside the city's jurisdiction? Certainly, the City Council will want to review the newly discovered wetlands on the site to determine whether those wetlands are entitled to some level of protection under the city code. CFRD requests that the City Council take up these questions as part of the remand proceedings.

Please provide these comments to the City Council for this evening's hearing and make them a part of the record in this matter.

Thank you for the opportunity to comment.
Kenosis D. Ne L

Ken Helm

' CFRD submitted these maps subsequent to LUBA's remand and requested that the maps be made part of the file for both the subdivision approval 62-08 and 379-08. CFRD now requests that the maps be made part of this remand record by this reference.

November 23, 2009
City Council Meeting Minutes
Exhibit "A"
Page 4 of 12

## Richard Gassman

| From: | Izetta F. Grossman |
| :--- | :--- |
| Sent: | Monday, November 23, 2009 8:26 AM |
| To: | Richard Gassman; Nolan Young; Gene Parker |
| Subject: | FW: To Mayor Lesich and Councilors |
| Attachments; | testinzony to council.pdf |

```
Izetta Grossman
Executive Secretary
City Manager's Office
City of The Dalles
313 Court St
The Dalles, OR 97058
54I-296-5481 ExL 1119
541-296-6906 Fax
```

----Original Message-----
From: Jahn Nelson [nailto:joteg@gorge.net]
Sent: Saturday, November 21, 2009 10:38 PM
To Izetta F. Grassman
Subject: To Mayor Lesich and Councilors

Attached as a pdf is my testimony to the City Council on the action item concerning the LUBA remand for the Council Meeting of November 23, 2009.

Thank you,

Jahn Nelson

524 West 3rd Place
The Dalles, OR
97058
joteg@gorge.net

To: Mayor Lesich and Councilors

I am providing you my written testimony on the action item being considered at the November 23, 2009 Council meeting which is to determine the scope of issues to be considered during the yet to be determined remand hearing on approval of the site plan for the proposed Wal-Mart store.

In addition to the traffic issue that LUBA has remanded to The City of The Dalles I urge you to broaden the scope of issues to be considered to include consideration of new information as to the correct number of wetlands that will be destroyed in the development of the subdivision which includes the Wal-Mart site plan, the degrading effects such development might have on nearby Chenoweth Creek, and consideration of the impact of this development on existing local businesses which you have not addressed.

In the LUBA appeal the petitioners (of which I was one) argued that the wetlands located on site were "significant natural features" and that the Land Use Development Ordinance requires the "elements of the site plan are to be arranged to preserve and maintain public amenities and significant natural features." We further argued that the site plan failed to show all the wetlands located on the property and thus failed to preserve these significant natural features as required by LUDO. The city interpreted the phrase "significant natural features" to include those contained in the "natural resource inventories in either the 1982 Comprehensive plan or the 1989 Riverfront Plan". Because these wetlands were not shown on either of these documents the city reasoned they were not "significant natural features".
The Port of The Dalles Interchange Wetland Monitoring Report of 2002 states that the Wetlands, which were later destroyed by the construction of the I-84 interchange, and which were near the vernal wetlands on the WalMart site and of similar type, were not high functioning vernal wetlands, but nevertheless "were located within the Chenoweth watershed and were suspected to improve water quality in Chenoweth Creek, a stream supporting federally listed fish species." Chenoweth Creek is designated as a "water quality limited" stream under the Federal Clean Water Act. These
wetlands occupied about 1 acre of land and were mitigated for on a site adjacent to the proposed Wal-Mart site. The vernal wetlands which are located within the subdivision which will encompass the Wal-Mart site are now defined as numbering 40, not the approximate 9 that were shown on the documents upon which you made your decision to approve the site plan. These vernal wetlands are larger in scope, occupying 9 acres, and have a greater role to play in maintaining the water quality of Chenoweth Creek, than those already destroyed but considered important! If nothing else the city's reasoning not to consider these wetlands significant because they were not mentioned in former documents demonstrates a real weakness in the Land Use Development Code and shows the city underestimates the impact to all such wetiands in its jurisdiction.

The Comprehensive Plan is our guide to ensure that the city's vision for growth is achieved in an orderly manner. This includes economic factors, such as the impact of new development on existing local business. During the hearings in the early spring of 2009, residents were not allowed to discuss these potential economic impacts. During the subdivision hearing the citizens should have been able to hear economic evidence. When the citizens were told by council members they would be able to present economic arguments at the site plan hearing, that is the time the city attorney should have told the Councilors that it would not be possible, and that the code sections that applied to the site plan did not address economics. He, instead, remained silent. The site plan was not the proper place for an economic discussion. The council should give the opportunity to its citizens to finally have this discussion with Wal-Mart representatives at the remand hearing.

Thank you for reading and considering the merits of this testimony.
John Nelson
524 West 3rd Place
The Dalles, OR
97058

## From: Izetta F. Grossman

Sent: $\quad$ Monday, October 19, 2009 1:09 PM
To:
Subject:
Richard Gassman
FW: Wal-Mart

## Dick

Gene said I should forward all these to you - so enjoy (3)
Izetia Grossinan
Executive Secretary
City Manager's Office
City of The Dalles
313 Court St
The Dalles, OR 97058
541-296-5481 Exs 1119
541-296-6906 Fax
From: Elizabeth Stanek [mallto:stanratt@mowinet.com]
Sent: Friday, October 16, 2009 8:43 PM
To: Izetta F. Grossman
Subject: Wal-Mart
Dear Mayor Lesich, Now that the LUBA has tossed the Wal-Mart case back to the City Council, I hope you will use this opportunity to hear what opponents are saying about traffic and wetlands. The Dalles continues to revitalize its central commercial district, to attract environmental tourists, and to find alternatives to commercial sprawl. Yet the proposal submitted by PACLAND for a Wal-Mart nearly three times the size of a football field is just out of scale with the size of your small community. During the 1990s, The Dalles added roughly 1,000 people to its population base, but even adding in the entire population of Wasco County, you still don't need a store this big. Even though this project is located on commercial land, the Planning Commission and the City Council still have the right to reject a project because of its adverse impact in areas like existing economic activity, traffic and roads, and the environment. You can ask that a project be reduced in size, and in many communities, developers have respected local desires for smaller projects. The project does not fit The Dalles market. It's a classic example of suburban sprawl, and is largely incompatible with your land use goals. Hood River rejected a Wal-Mart superstore, as have a number of other communities in Oregon. You don't have to accept a one-size-fits-all mentality. The only thing that stands between PACIAND gobbling up a major piece of The Dalles, is the Citizens for Responsible Development. Madame Mayor, you now have a second chance to get this analysis right, and to grow smart. This Wal-Mart is
definitely not in the interest of the overall vitality of The Dalles, As new small business owners in The Dalles, we urge you to reject the Wal-Mart Supercenter.
Sincerely, Elizabeth Stanek and John Ratts

| From: | Izetta F. Grossman |
| :--- | :--- |
| Sent: | Monday, November 09, 2009 2:40 PM |
| To: | Gene Parker; Richard Gassman; Nolan Young |
| Subject: | FW. To the Mayor and members of The Dalles City Council re:Wal-Mart concerns |

Gene,

This just came in - it does address the IAMP - can I send it on?

This person called this AM and asked how to get somethirg to the councll and I said this was the fastest way.'

If you say I can't give this to council then you need to send her back an email explaining why 50 I don't look like a big fat liar... or even a skinny fittle liar. I don't do liar. ©
:zetta cirossmian
Executive Secretary
City Manager's Office
City of The Dalles
313 Court 5 5i
The Dalles, OR 97058
541-296-5481 Ext 1119
541-296-6906 Fax

From: Deborah Blair [mailto:dmblair@gorge.net]
Sent: Monday, November 09, 2009 2:25 PM
To: Izetta F. Grossman
Cc: dmblair@gorge.net
Subject: To the Mayor and members of The Dalles City Council re:Wal-Mart concerns
November 9, 2009

## To: the Mayor and members of the City Council of The Dalles <br> Re: Proposed construction of a Super Wal-Mart store in our community

## Dear Friends:

I am very concerned, for several reasons, about the potential impact of a Super Wal-mart store in our
small town.
First, I live on the west side of town and am concerned about the way increased traffic will affect
access to I-84 and neighborhoods at our end of town.
I made a point of attending the meeting at the Civic Center this summer when the IAMP

November 23, 2009
Gity Council Meeting Minates
was presented. I also attended the last meeting of the City Council. What surprised me
about that council meeting was that over an hour passed before the word "Wal-Mart" was
even mentioned. Up to that point, the discussion about the IAMP was all couched in provisional and conditional terms, as though the big "elephant" in the hearing room wasn't Wal-Mart. It was only when the public was invited to comment that the immediate
need for the IAMP was cleariy identified as being caused by Wal-Mart.
Theoretically, it stands to reason that future community growth may require l-84 interchange
adjustments, but it is solely because of Wal-Mart's plans that these elaborate considerations
of future traffic needs are pending now.
Second, I have read that Wal-Mart's studies of their impact on local traffic congestion were
declared inadequate and warrant a review by the Oregon Land Use Board. It appears that Wal-Mart's study of the impact on adjacent wetlands may also be Inadequate by having omitted as many as 40 wetland areas. If this is the case, not
only is a more thorough analysis of wetland impact urgently required, but it further undermines my confidence in Wal-Mart's readiness to be a constructive and honest partner in our community's commercial future.

Finally, I have deep reservations about the impact of this super store upon our local stores.

There are enough empty store fronts in town as it is. We should assist those businesses
that remain, not threaten them with Wal-Mart's cut rate pricing, obtained in some cases
by cut-throat employee policies.
In addition to the obvious economic, traffic and environmental changes that WalMart
could bring to The Dalles will be what I deem "character-changing" alterations to our small town. Do we really want to become a "big Box" town? I hope not!

I urge you to hold a hearing to request more accurate data from Wal-Mart on both the wetlands and traffic issues, so that there is additional opportunity to consider these matters and assess the real impact of any increased costs that have not been accurately measured.

Sincerely, Deborah Blair

## 950 Pomona Street \#187

541 296-6133

November 23, 2009
City Council Mecting Minutes

## MINUTES

## SPECIAL COUNCIL MEETING

OF
NOVEMBER 16, 2009
4:00 P.M.
CTTY COUNCII. CHAMBER
CITY HALL
THE DALLES, OREGON

PRESIDING: Mayor Nikki Lesich
COUNCIL PRESENT: Bill Dick, Carolyn Wood, Jim Wilcox, Dan Spatz
COUNCIL ABSENT. Brian Ahier
STAFF PRESENT: City Manager Nolan Young, City Attomey Gene Parker, City Clerk Julie Krueger, Public Works Director Dave Anderson

## CALL TO ORDER

Mayor Lesich called the meeting to order at 4:03 p.m.

## ROLL CALL

Rolt call was conducted by City Clerk Krueger; Councilor Abier absent.

## APPROVAL OF AGENDA

It was moved by Wilcox and seconded by Spatz to approve the agenda as presented. The motion carried unammously, Ahier absent.

Councilor Spatz asked if he should decline to participate in the Executive Session because his wife was an employee of Mid Columbia Medical Center. City Attomey Parker said he would have no financial gain by participating in the discussion.

City Manager Young said Councilor Ahier was not in attendance because he had a conflict of interest and would not be participating in the Executive Session discussion.

MINUTES (Contınued)
Special Council Meeting
November 16, 2009
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## EXECLTIVE SESSION

Mayor Lesich recessed the meeting to Executive Session at 4:05 p.m. in accordance With ORS 192.660 (2) (e) to conduct deliberations with persons designated by the governing body to negothate real property transactions.

## Reconvene to Open Session

The meeting reconvened at 4:49 p.m.

## ADJOURNMENT

Bing no further business, the meeting adjourned at $4: 50 \mathrm{p} . \mathrm{m}$.

Submitted by/<br>Julie Krueger, MMC<br>City Clerk

SIGNED:
Nikki L. Lesich, Mayor

ATTEST:
Julie Krueger, MMC, City Clerk

## MINUTES

## TOWN HALL MEETING

OF
NOVEMBER 16, 2009
5:30 P.M.
MID COELMBIA SENIOR CENTER
THE DALLES, OREGON

PRESIDING: Mayor Nikki Lesich<br>COUNCIL PRESENT: Bill Dick, Jim Wilcox, Carolyn Wood, Dan Spatz, Brian Ahier<br>COUNCIL ABSENT: None<br>STAFF PRESENT: City Manager Nolan Young, City Attorncy Genc Parker, City Clerk Julie Krueger, Public Works Dircetor Dave Anderson, Police Chicf Jay Waterbury, Finance Director Kate Mast, Scnior Planncr Dick Gassman, Development Inspector Jim Schwinoff, Engineer Dale McCabe, Administrative Intern Jared Cobb, Librarian Sheila Dooley

## CALL TO ORDER

The meeting was called to order by Mayor Lesich at 5:30 p.m. Lesich welcomed the audience and asked the City Attorney to clarify reasons why the Wal-Mart issue would not be discussed at the meeting.

City Attomey Parker explained that the Wal-Mart issue was scheduled for discussion at the Novernber $23^{\text {rd }}$ Council meeting and because it was a land use 1 ssue , was subject to land use rules. He said comments regarding the matter would be inapproptiate and could be considerod as ex-parte contact for the City Council.

## STATE OF THE CITY UPDATE

City Manager Young called on staff members to review each subject listed on the agenda.

MNUTES (Contimucd)
Town Hall Mecting
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## Urban Growth Boundary Update

Senior Planner Dick Gassman explained the State required cities to have a 20 year supply of developable residential, commercial and industrial lands. He said the review had not occurred since the 1980's and that an additional land supply was needed to meet the requirement. Gassinan said part of the expansion of the Urban Growth Boundary included working with the National Scenic Area hecause that boundary would also need to be amended to accommodate a new Urban Growth Boundary.

## Residential Street and Sidewalk Improvement Stanclatels Upelate

Senior Planner Gassman said staff had been dirceted to address strect and sidewalk standards for the community. He said staff had developed several categories for improvements, including full improvement, partial improvement, deferred improvements and status quo He said the proposal would be considered by the Planning Commission in December and be forwarded to the City Council for consideration in January or February.

## East Gateway Project Updatc

Development Inspector Jim Schwinoff reported that Brewery Grade would re-open on November $20^{\text {th }}$, with some lane restrictions and would temain open through the holiday season. He said the project would resume in January, completing the roundabout, with project completion estimated to be May, 2010.

## Marine Tcrminal and Festival Area Project Lpdate

Administrative Intern Jared Cobb reported that both projects were estimated to be completed 10 Spring, 2011. He said the marine terminal would provide for economic, recreational, and commercial activities and re-establish an economic focal point in The Dalles. He said it would molude pedestrian access. Cobb sad the estimated cost of the project was $\$ 4$ million. He said the festival area would provide for green space, public restrooms, podcstrian paths, and an arca that could be used for events such as a farmer's market, Cherry Festival and Historic The Dalles Days events. Cobb said the estimated cost for the project was $\$ 2.5$ million.

## Airport Projects Update

Airport Manager Chuck Covert reported the newly constructed hangars were already nearly occupied. He said they were working on the Master Plan update, runway testung and cngnecring, development of an industral park, upgrades to the watery system, and the golf coursc.

MINUTES (Continued)
Town Hall Meeting
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## City Website Information

City Clerk Krueger reported the City had recently updated its website. She said it was easy to find information and encouraged citizens to visit the site at www.thedalles.org and asked people to let staff know their thoughts or to call if they had any questions. Krueger said a survey had been added to the website which had allowed citizens to voice iheir preferences for subjects to be discussed at the Town Hall meeting tonight.

## Chenowith Interchange Plan Update

Senior Planner Gassman said the City Council had approved the Chenowith Interchange Area Management Plan (lAMP) and it was now forwarded to Wasco County and Oregon Dcpartment of Transportation for approval. He satd all entilies were required to approve the Plan.

## DISCUSSION REGARDING SURYEY RESULTS

City Manager Young reported other items received through the City's website survey which had not been included in tonight's meeting were: Wal-Mart; regulating the size of big box stores; concerms about safety of roundabouts; water rates; marine terminal location; challenges with the proposed festival location; public transit - street cars; youth, parks and recreation, and Home at Last partncrships; adjacent property owner rights with neighboring development; and one thank you for allowing input.

## PUBLIC COMMENTS AND QUESTIONS

Linda Quackenbush, 1005 Richmond Streci, The Dalles, expressed concern regarding the cost to property owners for construction of local improvement districts (IID's). She said if her property was included in an ILD, it would cost approximately $\$ 51,689$, and if payments were made, there was a $10 \%$ interest charge, which would cost $\$ 683$ per month for 10 years. She said this was too much of a financial burden to property owners.

Councilor Wilcox said the City had becn working on LID issucs for at least three years and that policies had been created to help alleviate property owner burden. He said there were multi frontage and corner lot relief components included in the policy. Wilcox said upcoming street and sidewalk standards policies may also help because not all properties would be treated the same regarding the type of improvenents that would be required.

MINUTES (Continued)
Town Hall Meeting
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City Manager Young said the City had also adopted a policy stating if the City required outside financug, such as bonds, to construct an LID project, the interest rate for property owners would he only one percent above the rate the City received to repay the loan. He said an example of that was the West First Street LID, in which the City had revenue bond financing at $4 \%$, so the property owners could make payments to the City at only $5 \%$.

Marie Clark said she was opposed to being annexed into the City. She expressed displeasure about increasing water rates in the Chenowith Water District, and asked the City Council to do something to holp create jobs for local citizens.

Jack Bartell, 2616 West $13^{\text {th }}$ Street, The Dalles, asked for an update on the armory relocation.
City Manager Young said the current site of the armory was owned by Wasco County and there had been some public mectings to detormine what may be the best use for the property. He said a conditional use permit had been approved for the Oregon Military Department to construct a new armory at the college site and it was expected that construction would begin in 2012.

Monte Maicolm, 5075 Cherry Heights Road. The Dalles, asked how he could obtain a copy of the proposed urban growth boundary map. Senior Planner Gassman said he could stop by the City Planning Department. City Manager Young said staff would also make sure the map was posted on the City's website.

John Nelson, 524 West Third Place, The Dalles, commended the City Council for conducung a Town Hall style meeting, saying the average citizen did not always feel heard at regular meetings. He said this was a good forum for audience participation. Nelson sad he belleved the flexibility discussed regarding strect and sidewalk standards was reasonable and made sense.

Mr. Nelson said he favored making the downtown more attractive from the freeway and said it was important to beautify the area. Nelson said he had recently attended a gathering to hear about the history of Mill Creek. He said it was important to remember the creek had been the beginning of the development of our community and should be preserved and taken care of.

Mr. Nelson thanked the City for updating the website, saying transparency was important and that people should not feel shut out. He said it was good to be able to have forums to tell the City what was important to them. Mr. Nelson said he did not think it had been fair that the Council recently decided to close testimony regarding the IAMP before everyone had an opportunity to provide their comments. He said the consultant had previously stated it would be unsafe for traffic movement to signalize the one area that had bcon designated as a roundabout, yet the Council had included signalization as an option.

MINUTES (Continued)
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Nelson said the public did not always understand legal advice provided to the City Council by the City Attorney and said it would be appreciated if there was an explanation at the meetings as to why particular advice was given.

Councilor Ahier thanked Mr. Nelson for his comments and said the City lad been working hard to improve communications and increase citizen involvement. He encouraged citizens to apply for positions on various City committees and commissions and said he hoped more people would consider running for City Council positions.

Councilor Spatz thanked Mr. Nelson for his participation on the Traffic Safety Commıssion and agreed that legal advice provided at City Council meetings should be explained to the public.

Councilor Wilcox said he had been volunteering on City committees and then for City Council since the 1990 's when he worked on the comprehensive plan development. He encouraged all citizens to be more involved by serving on committees.

Robert Perkins, 2845 East $10^{\text {th }}$ Street, The Dalles, said he also had a large parcel which had frontage on two streets and expressed concern regarding the high cost of LID's to properly owners.

Councilor Wilcox said the frontage relice policy would require that he only pay for one side of the development if it was a single lot.

Mrs. Quackenbush said she hoped the City Councilors would calculate what it would cost if they had to pay for $T$.fD construction on their own properties.

Councilor Wood said she would be subject to one hersclf. She said the City Council had implemented the fairest possible methods of assessment and had worked hard to make adjustments that would be favorable for properfy owners.

Michael Leash, 306 Court Street, The Dalles, said it appeared the City used the Comprehensive Plan only when it was to therr advantage and disregarded it at other times.

City Manager Young said the City did always follow its own rules. City Attorney Parker said some land use applications were not subject to the Comprehensive Plan and others were, so it would depend on a particular application as to whether the Comprchensive Plan applied.

## MINUTES (Continued)

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## ADJOURNMENT

Hearing no further public input, Mayor Lesich thanked everyone for their altendance and adjourned the meeting at 7:20 p.m.

Submitted by;<br>Julic Krueger, MMC<br>City Clerk

SIGNED:
Nikki L. Lesich, Mayor

ATTEST:
Julie Krueger, MMC, City Clerk

## A RESOLUTION ADOPTING A POLICY FOR USE OF ELECTRONIC MESSAGES AND RETENTION OF SUCI MESSAGES FOR THE CITY COUNCIL

WHEREAS, with the increasing use of clectronic messages, commonly referred to as "email", as a communication tool, public bodies have been encouraged to develop a policy for use of email messages by members of the goveming body, and for the retention of email messages generated by members of the governing body; and

WHEREAS, City staff has preparcd such a policy for the City Council's review and consideration; and

WHEREAS, the City Council has reviewed the proposed policy and believes that adoption of such a policy is in the best interests of the citizens of The Dalles;

NOW, THEREFORE, THE CITY COUNCII, OF THE CITY OF THE DALLES RESOLVES AS FOLLOWS:

Section 1. Policy Adopted. The policy establishing procedures for the use of electronic messages (c-mail) by City Council members, and for the retention of email messages generated by Council members, as set forth in Exhibit " $A$ ", is hereby approved and adopted.

Section 2. Effective Date. This Resolution shall be effective as of December 14, 2009.
PASSED AND ADOPTED THIS $14^{\text {TH }}$ DAY OF DECEMBER, 2009
Voting Ycs, Councilors:
Voting No, Councilors:
$\qquad$
Absent, Councilors:
Abstaining, Councilors:
AND APPROVED BY THE, MAYOR THIS $14^{\mathrm{TH}}$ DAY OF DECEMBER, 2009
Attest:

Nikki L. Lesich, Mayor
Julic Krucger, MMC, City Clerk

## CITY COUNCIL L-MAIL POLICY

## 1 <br> GENERAL

Electronc mail (e-mail) messages are withn the scope of the Public Records 1 aw and Records Retention Law. Because of thes, the Cily Council has developed the following policy for use of electronic messages (e-mail) by City Council members and the retention of e-mail messages generated by City Council members.

## 2. STATUS OF E-MAIL MESSAGES

A. E-mail messages generated or retained in a laptop computer provided by the City for a Council member's use, have the potential to be classilied as a public record under Oregon law, potentrally subject to disclosure under the provisions of the public records law. E-mail messages which relate to City business, which are generated or transmitted withm the course of a Council member's regular duties, which messages are retained upon a personal computer belonging to the Council member, are likely to be classified as a public record under Orcgon public records law, and potentially be subject to disclosure.
B. On behalf of a City Council member, the City retains the discretion to assert any applicable privileges and objections if a public records request or discovery request is made for any e-mail messages which are retained upon a laptop computer furnished by the City for the Council member's use, or upon a personal computer belonging to the City Council member,

## 3. USE OF E-MAIL

A. City Business. E-mail is to be used for matters that pertain directly to the business of the City. E-mail communications must be professional in content and appropriate to a governmental agency.
B. General Guidelines. Electronic messages are legally discoverable and permissible as evidence in a court of law. Electronic messages can never be unconditionally and unequivocally deleted. The remole possibility of discovery always exists. Council members should use caution and judgment in determining whether a message should be delivered electronically instead of in person. Councilors should be suspicious of messages sent by persons not known by the Council member. Council members should not open an attachment in an electronic message unless the attachment was expected to be sent. Council mombers shall delete and not forward any "chain letters" Council members should not read an email message containing an attachment from an unknown source. Such messages should be
immediately deleted. Email messages which have been identified as "spam" messages should be immediatcly deleted.

C Public Meetings Issues. Under Oregon law, any exchange of emails between the Council members which effectively would result in a decision concerning an issue, or where it appears that the Council members are deliberating on an issue, or appear to be gathering information to engage in future deliberation on an issue, could be construed to constitute a public meeting. The use of email messages by Council members to engage in active deliberations or discussion, including the expression of opinions or the promotion and discussion of ideas related to a particular issue, is strongly discouraged. The usc of email messages for the passive receipt of information among Council members, such as the distribution of an agenda staff report, is a permissible use of e-mail among Council members.
D. Use for Community Service or Charitable or Non-pronit Purposes, Council members may use e-mail for community service, non-profit or charitable activity not sponsored by the City.
E. Prohibited Use. Use of City e-mail resources for non-City business activities, outside business activities or activities for personal gain is prohibited. Council members are strongly cautioned that such use likely constitutes a violation of the Oregon Ethics Code and may result in civil liability for the Council member. The City prohibits discrimination based on age, race, gender, scxual orientation or preference, physical or mental disability, sourcos of income, or religious or political beliefs. Use of the City's electronic messaging resources to harass or discriminate for any or all of the aforementioned reasons is prohibited.
F. Identification of E-mail. All e-mail messages shall be clearly identified as to the author of the message. Anonymous messages are prohibited.

## 4. RETENTION OF E-MAII

A. Bccause e-mail messages sent or received by Council members in conncction with City business are public records, they are subject to the same retention requirements as hard copy documents. In the e-mail context, "retention" means "do not delete." E-mail messages must be retaincd cven if they are confidential, privileged, or otherwise exempt from disclosure under Orcgon public records law. The retention and disposition of public records is authorized by retention schedules issued by the Secretary of State Archives Division. Records may be retained in hard copy or electronic format. If a hard copy of the e-mail message is printed, then the electronic version may be deleteif. The hard copy must then be kept as long as required by the applicable retention schedule. An e-mail message
retaned in electronte format shall be retaincd for the applicable period set forth in the retention schedule adopted by the City.
B. Council members have a responsibility to be famjiliar with the retention schedules applicable to City records, and to ensure that the e-mail messages they send or receive are retained in accordance with the appropriate records retention schedules. Council members shall not delete any e-mail message unless its retention period has expired or it has been printed out as a hard copy.
C. Personal email messages are defined as a personal exchange not covered by the State of Oregon records retention schedule, and they should be deleted after they have been read. Examples of personal e-mail messages include:

- Lunch plans
- Jokes
- Chain letters
- Messages to family and friends
- Attached filles such as photographs
D. Temporary or transitory e-mail messages are any exchange of communication that is fulfilled almost immediately upon request. These messages should be kept until the task is completed or the value of the message has passed. Examples of these types of messages include:
- Charity campaigns
- Instserv messages
- City-wide communications
- Meeting reminders
- Deadline reminders
- Routing slips
- Fax confirmation
- Reading materials
- Reference materials
- FYI (for your information) e-mail information that docs not elicit a response
E. E-mail messages soliciting a response are any exchange of communication that requires the recipient to respond or perform an action on the message received. These messages may include allachments to which the recipient will also need to respond. The retention of these e-mails and any accompanying attachments will depend upon the content of the message. Examples of these types of messages include:
- Contract negotiations
- Administration of fiscal communications
- Policy drafts
- Reports
- Requests for information
F. E-mail messages which document communications created or received by the City, and which directly relate to a City program or City administration, and which are not otherwise specified in the City Records Retention Schedule, or in any applicable state rule or statute, will be classified as correspondence. Such email could inctude messages which communicate fomal approvals, direction for action, and information about contracts, purchases, grants, persomel and particular profcets or programs. A copy of the e-mail message should be filed with the associated program or administrative records, and retamed in accordance with the retention schedule specified for the program or administrative records.
G. Questions about retention of e-mail messages should be directed to either the City Clerk or the City Altomey.

Sigucd and dated:

Mayor Nikki L. Lesich

Councilor Positions \#1 Jim Wilcox

Councilor Position \#3 Bill Dick

Councilor at Large Carolyn Wood

Councilor Position $\$ 2$ Dan Spatz

Councilor Position \#4 Brian Ahier

## A RESOLUTION CONCURRING WITH THE MAYOR'S APPOINTMENT OF DENNIS DAVIS TO THE HISTORIC LANDMARKS COMMISSION

WHEREAS, there is a vacancy on the Historic Landmarks Commission; and
WHEREAS, Mayor Lesich has selected Dennis Davis for appointment to the expired term on the Historic Landmarks Commission; and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL AS

## HOILIOWS:

Section 1. The City Council hereby concurs with the appointment of Dennis Davis to fill an expired term on the Historic Landmarks Commission, term to expire May 3I, 2013.

Section 2. This Resolution shall be effective December 14, 2009.

PASSED AND ADOPTED THIS 14th DAY OF DECEMBER, 2009
Voting Yes, Councilors:
Voting No, Councilors:
Absent, Councilors:
Abstaming, Councilors:
AND APPROVED BY THE MAYOR THIS 14th DAY OF DECEMBER, 2009

SIGNED

Nikki L. Lesich, Mayor

ATTEST:

Julie Krueger, MMC, City Clerk

# AGENDA STAFF REPORT <br> CITY OF THE DALES 

| MEETING DATE: | AGENDA LOCATION: | AGENDA REPORT \# |
| :---: | :---: | :---: |
| December 14, 2009 | Public Hearings | $09-093$ |

TO: Honorable Mayor and City Council
FROM: Gene E. Parker, City Attorney Dick Gassman, Senior Planner

THRU: Nolan K. Young, City Manager


DATE: December 2, 2009

ISSUE: Public hearing for remand of approval for Site Plan \#379-08 of Pacland for the construction of a Wal-Mart store.

## RELATED CITY COUNCIL GOAL: None

PREVIOUS AGENDA REPORT NUMBERS: 09-090.
BACKGROUND: On October 8, 2009, the Land Use Board of Appeals entered a Final Opinion and Order remanding the City Council's decision for Site Plan \#379-08 for the construction of a Wal-Mart store. On November 23, 2009, the City Council considered the written request submitted pursuant to ORS 227.181 by the Applicant to proceed with the remand hearing. Following the presentation of testimony from the public, the applicant, and the petitioners who filed the LUBA appeal, the Council voted to establish the scope of the remand hearing, to be limited to the issues as identified by LUBA in its Final Opinion and Order related to the Chenoweth Interchange, as set forth in the Applicant's written request to proceed.

The Council determined the Applicant would be allowed to present new evidence as set forth in the Applicant's written request to proceed with the remand. The Council also determined that interested parties would be allowed an opportunity to testify regarding any new evidence related
to the $30^{\text {th }}$ highest hour volume, which would be presented at the December $14^{\text {th }}$ public hearing. In addition, the Council determined that it would allow interested parties an opportunity to present testimony and evidence related to the $30^{\text {th }}$ highest hour volume using Saturday as the weekend day for purposes of calculation.

PROCESS: The City's Land Use and Development Ordinance does not have anty specilic provisions cstablishng guidelnes for the conduct of a remand hearing of a decision from LUBA. The applicable process, as established by LUBA and appellate court precedent, is that the local governing body determines the scope of the issue or issues to be discussed at the remand hearing. The local governing body schedules a hearing to allow for public testimony and comment upon the specified issue or issues. The public hearing to take comment and testimony conecrning the issucs identified by the City Council has been scheduled for December 14, 2009. This hoaring is a quasi-judicial hcaring.

ISSUES: As mentioned previously, the City Council has determined the scope of issues to be considered during the remand hearing, to be limited to those issues identified by LUBA in its Final Opinion and Order. Those issues can be framed as follows:

1) Whether the City's findings are sufficient to adequately explain why traffic counts taken on a weekday satisfy the requirement to measure $30^{\text {lh }}$ highest hour volumes for traffic, when the $30^{\text {ti }}$ highest hour volume for traffic as measured at the Rowena Automatic Trip Recorder (ATR) occurred on a Sunday afternoon in July.
2) Whether additional traffic counts taken on a weckend day may be necessary in order to reach an accurate conclusion as to whether the proposed development will significantly affect the Chenoweth Interchange, and thus require mitigation earlicr than that proposed in the DKS Traffic Impact Study, and conditioned by the City.

Any testimony and evidence offered during the public hearmg needs to address these two issucs. If testimony or evidence is offered which does not address either of these issues, stafl will recommend that such lestimony or evidence be determined to be irrelevant and out of order, and that the Council not receive such testimony or evidence into the record of the hearing.

In its written request to proceed with the remand, the Applicant indicated it would be submitting evidence explaining why traffic counts taken on a weekday satisfy ODOT's requirements for measuring the $30^{\text {th }}$ highest hour volumes for traffic at the Chenoweth Interchange. The Applicant indicated it would also submit proposed findings for the Council's consideration which would adequately explain why traffic counts taken on a weekday satisfy ODOT's requirements regarding the $30^{\text {th }}$ highest hour volumes. The Applicant indicated they would be addressing the issue of the necessity to take traffic counts at the Chenoweth Interchange on a weekend using the $30^{1 /}$ highest hour traffic counts from the Rowena ATR. The Applicant noted this evidence would melude Suriday traffic counts, and an assessment whether the proposed development will significantly affect the Chenoweth Interchange, and require mitigation earlier than that previously required by the City.

Enclosed with this agenda staff report is a copy of a memorandum from DKS Associates, with supporting exhibits, dated December 2, 2009, submitted by the Applicant. The analysis in the memorandum was specifically prepared to respond to the iwo issues cired previously, which are the focus of this hearing. The memorandum contains a detailed analysis of additional facts and rationale to support the Applicant's assertion that there is substantial evidence in the record to support the City's ultimate conclusion that the selection of the weekday p.m. period was appropriate, when the Rowena ATR indicated that a Sunday afternoon was the appropriate analysis period for the $30^{\text {lh }}$ highest hour volume to determine the impacts at the Chenoweth Interchange. The analysis explains the seven step process used to determine the appropriate $30^{\text {th }}$ highest hourly volumes, and why the process used by the Applicant complied with ODOT's requirements for making this determination.

The memorandum also includes a Sunday weekend traffic impact analysis for the Chenoweih Interchange, Three intersections were analyzed for the Sunday peak hour: U.S. 30 (West $6^{\mathrm{d}}$ Street);River Road; I-84 Eastbound Ramp Terminal/River Road; and I-84 Westbound Ramp Terminal/River Road. The Sunday afternoon analysis was performed for both 2010 and 2027 horizon years in order to maintain consistency with the traffic impact study performed for WM3 lac., and to allow for direct comparison with the prior TIS analysis. As part of the analysis, Sunday afternoon traffic counts were collected and corresponding peak hour trip generation estimates were performed. Since the Sunday counts were collected in October, a seasonal adjusiment factor was determined and applied following ODOT methodology in order to estimate pcak month conditions.

For the 2010 Sunday peak hour traffic operating conditions for the Chenoweth Interchange, which include both background operating conditions and total operating conditions, the analysis concluded that operating standards were met for both analysis periods. The memorandum concluded that no project mitigations are needed at the Chenoweth Interchange at the time of project build-out. For the 2027 operating conditions for the Chenoweth Interchange, regardless of whether the traflic conditions were analyzed during the weckday p.m. peak hour or the Sunday peak hour, the analysis concluded that mitigations were needed at the U.S. 30 (West $6^{\text {h }}$ Street): River Road intersection. This mitigation consisted of restriping the northbound West $6^{\text {li }}$ Street approach to include a 100 -foot right tum lane with a taper at River Road (some minor widcning may be necessary).

The Applicant's supplemental traffic analysis also noted that mitigation measures for the Chenoweth Interchange ramps were identified in the traffic impact study prepared for WM3, Inc, because they were needed for the weekday p.m. hour. These mitigation measures included the installation of traffic signals at the Eastbound and Westbound ramps for the Chenoweth Interchange. The memorandum noted the mitigated intersection operating conditions were better during the Sunday peak hour at the Chenoweth Interchange intersections, compared to the weekday p.m. peak hour conditions. The memorandum concluded these previously identified mitigation measures would allow the Chenoweth Interchange to meet operating standards with substantial excess capacity during both analysis periods.

City staff has revicwed the additional traffic analysis submited by the Applicant, and the staff concurs with the conclusion set forth in the analysis that the appropriate analysis period to
determine the project impacts of the proposed development, upon the Chenoweth Interchange, was indeed the weckday p.mo. hour. The staff agrees that this linding is supported by both ODOT's design hour determination methodology, and the additional analysis performed for the Sunday peak hour.

Staff believes that the information presented in the Applicant's supplemental traffic analysis, provides the basis for preparing additonal findings which can sufficiently explan why traffic counts taken on a weekday satisfy the requirements for ODOT to measure the $30^{\text {ll }}$ highest hour volume for traffic at the Chenoweth Interchange. Staff also believes that the evidence of the additional Sunday peak hour traffic impact analysis submitied by the Applicant, establishes that impacts from the proposed development upon the Chenoweth Interchange were sufficiently addressed by the mitigation elements previously included in the conditions of approval included in Resolution No. 09-013, and that the evidence in the record will establish there is no need to require that any of the mitigation clements be required to be consiructed carlicr than was previously required by Rosolution No. 09-013.

## BUDGET IMPLICATIONS: None.

## ALTERNATIVES:

A. Staff recommendation. After all of the testimony and evidence concerning the issues in the remand hearing has been presented, and the public hearing has been closed, the Council will need to deliberate and make a decision. Staff recommends that the Council consider the following motion: Recommended motion: Move to affirm the City Council's decision to approve Site Plan \#379-08 for the construction of a Wal-Mart store, and direct staff to prepare a resolution including supplemental findings of fact and conclusions or law, which would also include the conditions of approval set forth in Resolution No. 09-013, for the City Council's revicw at a future Council mecting.

# MEMORANDUM 

| 10; | Date McCabe, City of the Dates |  |
| :---: | :---: | :---: |
|  | Rod Cathart. ODOT Region 4 | ED PR |
|  | Ana Jovanovic, ODOT Region + |  |
|  | Marty Matherly, Wasco County | 56,267 ${ }^{\text {\% }}$ |
| $C \mathrm{C}$ | Scott Pranklin. PacLand | ¢atm, tue |
|  | Greg Ilathaway, Davis Wright Tremaine | OREGON |
| FROM: | Scot Mansur, P.E. PT.O.E. Sm Brad Coy. EIT. BC | N |
|  |  | EXPIRES: $12-31-2010$ |
| DATE: | December 2. 2000 |  |
| SUBIECT: | Wal-Mart: Additional Traffic Analysis for LUBA Remand | 1 Pu8264-(1)1-1000 |

This memorandum addresses comments from the Land Use Beard of Appeals ("LUBA") Final Opinion and Order, \#2009-048, (the "4.UBA Decision")' related to $30^{\text {th }}$ Ilighest Hour traffic analysis at the I-8t/Chenoweth Interchange in The Dalles. Oregon regarding the proposed Wal-Mart store. LUBA indicated that the C"ity's lindings lailed to adeguately explain why the weekday p.m. peak hour analysis, upon which The Dalles WM3. Ine Devehpment Transportation Imperct Study' ("WM, TIS" $)^{2}$ was based, met Oregon Department of Transportation (ODOT) requirements relating to design hour volumes (DHVS). LUBA also determined that ". . . tramic counts taken at the Chenowed interchange on a weekend day may be necessary in order to reach an accurate conclusion about whether the proposed development will significantly affeet that interchange, and thus require mitigation earlier than that. . conditioned by the City." White the focus of the current development application is the proposed 150,000 square-foot Wal-Mart, the WMB THS analysis considered 240,000 total square feet of development on the 25 aere WM3 site, which leaves an additional 90,000 square feet of shopping center for the site.

This memorandum includes a more complete discussion of why the analysis period used in the !! $1 / 3$ TZS, and previously supported by ODOT, the City and County, was apperpriate to satisfy ODOT's design hour requirement. In addition, it includes additional analysis for the Sunday peak hour to leave no doubt that the improvements required by the City's approval of Wal-Mart's site plan for the $1-84 /$ Chenoweth interchange will mitigate WM3 project impacts for the proposed 240,000 squarefoot shopping center. The nearby US 30 River Road intersection was also included in the analysis due to its close proximity to the Chenoweth interchange.

[^0]Therefore, the following three intersections were aualyzed for the Sunday peak hour:

- US 30 (West $6^{\text {th }}$ Sureel)/River Road
- I-84 Easlbound Ranp Terminal/River Road
- I-84 Westbound Ramp TeminaliRiver Road


## Appropriate Analysis Period

The main unresolved concern identified in LUBA's Final Opinion and Order was the City's findings related to the selection by ODOT, the City and County of the weekday p.m. peak hour as the appropriate impact analysis period—during which the $30^{\text {th }}$ Highest Hour Volumes ( $30^{\mathrm{lh}} \mathrm{HV}$ ) occurfor the Chenoweth Interchange. The LUBA Decision indicates that the City's findings are not sufficient to explain why the use of the weckday p.m. period is appropriate when the Rowena Autumatic Traffie Recorder (ATR) indicates that a Sunday aftemoon is the appropriate analysis period for the $30^{\text {th }} \mathrm{FV}$ to determine impacts at the Chenoweth Interchange that is located on $\mathrm{I}-84$. The basis for using the weekday p.m. peak analysis period as the appropriate $30^{1 / 2} \mathrm{HV}$ was provided previously in a February 23, 2009 memorandum prepared by DKS Associates ${ }^{3}$ and is supplemented by this memorandum.

For developing $30^{\text {lin }}$ Highest Hour Volumes for the Chenoweth Interchange, the seven ODOT defined steps are identified and described. These steps are highlighted in Figure I, which is a replication (minus the highlighting) of the ODO'l flow chat showing ODOT's defined process for developing $30^{\text {lh }}$ Highest Hour Volumes, which is contained in the Design Hour Volumes (DHV) section of the ODO' Analysis Procedures Manual (APM). ${ }^{4}$ The purpose of Lhis $30^{\text {th }}$ HV determination process is to ad in the selection of an appropriate hour for planning, design, and operational analysis purposos with the intent to find "a compromise between providing an adequate level of service (LOS) for every (or almosl every) hour of the year and economic efficiency." ${ }^{5}$ This purpose was indicated in the Highway Capacity: Manual (HCM; 2000, which is a publication of the Transportation Research Board (TRB), is based on 50 years of research, and provides key resources used worldwide for current ransportation engineering practices.

[^1]

Figure 1: Determination of Appropriate $30^{\text {th }}$ Highest Hourly Volumes ${ }^{8}$

[^2]1. Is there an ATR on site or close by, and is the average daily traffic (ADT) of the study area roadway (I-84/Chenoweth Interchange ramp terminals) within $10 \%$ of the ADT mensured by the ATR?

## Answer: No.

Discussion: The purpose of this step is to determine whether there is an existing ATR that has representative trend patterns and volumes as the Chemoweth Interclange ramp terminals and can be used directly to determine the appropriate $30^{\text {th }} \mathrm{HV}$. Even though the Rowena ATR is the nearest ATR to the Chenoweth Interchange ${ }^{7}$ and is on I-84, the project area ADT (i.e., at the Chenoweth Interchange entrance and exit ramps) is not within $10 \%$ of the ADT measured at the Rowena $\Lambda$ TR. This is primarily because the majority of I-84 traffic remains on the interstate and does not use the Chenoweth Interclange entrance and exit ramps. ${ }^{8}$ 'Jherefore, traffic volumes at the Chenoweth interchange ramps consist primarily of traffic accessing local destinations and are only partially iufluenced by overall l-84 volume fluctuations. According to ODOT interchange ramp volume data, the Rowena $\triangle T R$ has an average annual daily traffic (AADT) level of approximately 19,500 vehicles, while the Chenoweth Interchange ramp terminals have AADT levels of approxinately 6,000 vehicles, ${ }^{9}$ which is only 30 percent of the Rowena AADT. Therefore, the time period when the $30^{1 / 2} \mathrm{HV}$ occurs at the study area roadway (Chenoweth Interchange ramp terminals) should not be determined directly from the Rowena ATR This finding was confimed by ODOT Region 4 Staff.

It is significant to note that this step was written winh all ODOT highways in mind, and that the majority of ODOT highways operate differently from interstates. One main differcnce is that the majority of ODOT highways do not have grade-separated interchanges but instead have inlerscecions direclly on the highway. Therefore, the $30^{\text {th }} \mathrm{HV}$ at non-interstate highway intersections directly correspond with the $30^{\text {th }} \mathrm{HV}$ indicated by adjacent ATRs.

## 2. Are there any similar ATRs? (Note 1 in Figure 1: Using ATR characteristics Table and filters from left to right)

Answer: No.
Discussion: The purpose of this siep is to deternine if there is another ATR in the Slate of Oregon that experiences similar seasonal variation trends as the study area roadway (i.c., Chenowedh Interchange ramp terminals). The most recent $\Lambda T R$

[^3]Characteristics Table ${ }^{10}$ was filtered from left to right using the filters listed in the table below. Explanations of the filters are provided in the applicable section of the APM, ${ }^{11}$ which is included in the appendix to this memorandum. There were 147 ATRs, and as the filters were applied left to right, the number of potential matches decreased until there were none left. Therefore, no ATRs matched all appropriate filters, which means there are no similar ATRs that can be used. The ATR Characteristics Table assumptions are sumnarized in Table 1.

Table 1: Applicable ATR Characteristics Table Filters for Chenoweth Interchange Ramp Terminals

| Category (from Left to Right) | Selected Filters | Non-Selected Filters | Remaining ATRs |
| :---: | :---: | :---: | :---: |
| 1 Seasonal Traffic Trend | Commuter Interstate Non-Urbanized Summer | Agriculture <br> Coastal Destination Coastal Destination Route <br> Interstate Urbanized <br> Recreational Summer <br> Recreational Summer/Ninter <br> Recreational Winter <br> Summer < 2,500 | 63 |
| 2. Area Type | Small Urban (population between 5,000 and 49,999) Small Urban Fringe | Populaled Rural <br> Rural <br> Urban <br> Urban Fringe | 15 |
| 3. Number of Lanes | 2,3, or 4 | 5 or 6 | 7 |
| 4. Weekly Traffic Trend | Sleady Weekday Weekend |  | 7 |
| 5. AADT | 4,000 to 8,000 | $\begin{aligned} & <4,000 \\ & >8,000 \end{aligned}$ | 0 |
| 6. OHP <br> Classification | District Highway Interstate Highway | Regional Highway Statewide Highway | 0 |

3. Use Seasonal Trend table to determine peak month. (Note 2 in Figure I The $30^{\text {th }} \mathrm{HV}$ will likely occur during the peak month on a weekday in large urban areas and on weekends in recreational areas.)
Finding: The $30^{\text {th }}$ HV occurs during the weekday p.m. peak hour in July.
Discussion: The purpose of this step is to determine both the peak month of the year and the peak hour of the week, which are the two separate trends that must be considered when determining the appropriate time period to use for the $30^{1 \mathrm{~h}} \mathrm{HV}$.
[^4]Discussion of these two trends and how they apply to the Chenoweth Iaterchange is provided below:

The peak month of the year for the Chenoweth Interchange is primarily influenced by regional traffic trends. Regional traffic at the Chenoweth Interchange includes those who travel to and from The Dalles and the nearby area using the Chenoweth Interchange entrance and exit ramps. These Lrips occur prituarily for tourist purposes or as a rest stop while traveling hetween eastern and western Oregon on I-84 and are considered to be the main source of seasonal variation in traffic at the Chenoweth Interchange because local traffic during the weekday p.m. peak hour is expected to remain relatively constant throughout the year, Therefore, because the Rowelna A'TR is along $1-84$-which primarily services regional traflic-and is also near the Chenoweth Interchange, overall yearly trends at the Rowena ATR are expected to provide a reasonable indication of variation in regional traffic at the Chenoweth Interchange. Hecause the peak month of the Rowena ATR is July, the peak month at the Chenoweth Interchange is also considered to be July. This finding was confinmed by The Jalles City Enginees, Wasw County Engineer, and ODOT Region 4 Staff. This assumption has also never been questioned.
'The Seasonal 'Trend Table ${ }^{12}$ is another tool provided by ODOP for determining seasonal variation. It contains information regarding general traffic patterns for similar highways throughour the state and is helpful when other information is unavailable. It also indicates that the yearly peak occurs in July for the Commuter, Interstate Non-Crbatized, and Summer categories (i.e., tbe applicable Scasomal Traffic Trend calegories identified in Step 2). Therefore, July is clearly the peak month.

The purpose of Note 2 in Figure 1 is to help determine whether the peak hour of the week nccurs on a weekday or weekend. On one end of the spectrum are large urban areas (e.g., I'ortland, Salem, Eugene, Redmond, Bend) where local tralfic (especially commuters) and the associated weekday p.m. peak hour volumes are the most significant. On the other end of the spectrum are recreational areas (e.g., Mt. Flood, Black Butle, Sunrver, the Oregon coast) where tourists and recreational users are the most significant. The Chenoweth Interchange ramp terminals fall somewhere in the middle of this spectrum. Two main findings support the conclusion that the Chenoweth Interchange has trends that are inore closely associated with a large urban area, thereby resulting in use of the weekday p.in. peak hour as the appropriate peak hour of the week:

- The primary land uses surrounding the Chenoweth Interchange are industrial and residential. Therefore, the Chenoweth Interchange entrance and exit ranps are primarily influenced by local traffic trends consisting of city residents and local enuployees who work, live, andior shop) in The Dalles (likely in the western end of the city, which is why they use the Chenoweth Interchange).

[^5]- The Chenoweth Interchange entranco and cxil ramps are not part of a key route to a prime recreational or tourist area, and while there are some nearby recreational ancnitics accessed by the Clienoweth Interchange entrance and exit ramps (e.g., Columbia Gorge Discovery Center, The Dalles Riverfront Trail, and The Dalles Country Club), these are minor traffic generators.

Therefore, the Chenoweth lnterchange ramp terminals have characteristics that are mone similar to a large urban area than a recreational area because the majority of traffic using the interchange ramp terminals is local traffic (city residents and local employees who work, live, andior shop in 'I'he Dalles). Therefore, ODOT guidelines indicate that the $30^{\text {lh }} \mathrm{HV}$ should be assumed to occur on a typical weekday during the peak month. This finding is consistent with The City of The Dalles Traffic Impact Study Guidelines. ${ }^{13}$ The appropriateness of analyzing the weekday p.m. peak hour as the $30^{\mathrm{L}} \mathrm{HV}$ was also confirmed by The Dalles City Fingineer, Wasco County Engineer, and ODOT Region 4 Staff. Furthemore, as additional confinmation, weekend analysis was also performed for the Chenoweth Interchange and is documented later in this memorandum.

In summary: at the Chenoweth Interchange regional trends influence the selection of the peak month of the year (July) while local trends influence the selection of the peak hour of the week (weekday p.m. peak hour). This joint consideration of both local trends (affected primarily by River Road, which is the cross street) and regional Irends (affected primarily by l-84, which is the mainline highway) at the Chenoweth Interchange is also consistent with the underlying concept that interchange ramp ferminals share characteristics with boulh the mainline higliway and the cross strect. This concept is consistent with the ODOT procedure regarding the estimation of a seasonal factor at "interchange ramps, which should use an average of the mainline and cross road seasonal adjustments.s./4

## 4. Can counts be taken during $30^{\text {th }} \mathrm{IrV}$ ?

## Answer: Yes.

Discussion: Now that the $30^{\text {ll }} \mathrm{HV}$ has been delemined, counts should be laken during the $30^{\text {th }} \mathrm{HV}$ (i.e., peak month and peak hour of the week) if possible. However, if taking counts during the $30^{\text {li }} \mathrm{HV}$ would cause undue delays, then counts may be taken during the peak hour of the week during a non-peak month, but a seasonal adjustment factor must be applied. One caveat is that the seasonal adjustment factor must be less than 1.30 (i.e., 30 percent). Therefore, there are lypically a few months of the year when counts camot be taken and factored to determine $30^{\prime \prime} \mathrm{HV}$ levels. The WM3 project timeline did accommodate takiog the counts duritng July; therefore, the counts werc laken during the peak month (July) on a weekday (Tuesday) p.m. peak hour from 4:00 to 6:00 p.m.

[^6]
## 5. Take counts during $30^{\text {th }} \mathrm{HV}$.

Finding: Counts were taken during the $30^{\prime \prime \prime}$ HV.
Discussion: The appropriate $30^{\text {mi }} \mathrm{HV}$ was determined in steps 1 through 3 to be the p.m. peak hour on a typical weekday in the peak month of July.
6. Is counted $30^{\text {th }} \mathrm{HV}$ within 10 percent of $A T R ' s ~ 30^{\text {th }} \mathrm{HV}$ ?

Finding: This step is not applicable ( $\mathbf{N} / \mathbf{A}$ ).
Discussion: When the appropriate $30^{\text {h }} \mathrm{HV}$ is determined directly from an on-site A'TR (i.e., the answer to Step I is "Yes"), then this step provides a back check for consistency. Otherwise it is not applicable. Bceause the answer to Step 1 was "No," the counts were not compared with an ATR and this step was bypassed.

## 7. Balance network and develop figures for technical report.

Finding: Network balanced and figures developed for WM3 T/S.
Discussion: The final step for determining the appropriate $30^{21} \mathrm{HV}$ is to provide documentation of the counts, any applicable seasonal adjustment factors, and balanced $30^{\text {th }} \mathrm{HV}$ traffic volumes. As indicated previously, no seasonal adjustment factor was needed because the counts were collected during the $30^{\text {th }} \mathrm{HV}$. However, minor balancing following ODOT methodology ${ }^{15}$ was performed to ensure consistency between adjacent interscections; this was done by rounding volumes up to account for any differences in volumes entering and exiting adjacent intersections. The resulting $30^{\text {il }} \mathrm{HV}$ volumes to be used for the impact analysis were subuitted to ODOT Region 4 Staff, who approved them prior to the preparation of the $W / M 3$ TYS. The volumes were also documented in the WM3 TYS and were the basis of the impact analysis, which was approved by the Dalles City Engineer, Wasco County Engineer, and ODOT Region 4 Staff.

In summary, ODOT methodology for developing $30^{\prime \prime \prime}$ Highest Hour Volumes ( $30^{\circ \mathrm{lin}} \mathrm{HV}$ ) supports the usc of the wcekday p.m. peak hour as the $30^{\text {hh }} \mathrm{HV}$. Therefore, the weekday p.m. peak hour is the most appropriate analysis period at the Chenoweth Interchange. This finding was also coufirmed by 'The Dalles City Engineer, Wasco County Engineer, and ODOT Region 4 Staff. In addition, further support for the use of the weekday p.m. peak hour as the $30^{\mathrm{ll}} \mathrm{HV}$ can be fonnd in the recent $I-84$ Chenoweth Interchange Area Managemen Plan (IAMP) prepared by a transportation consultant for OIOYT, which also came to the same conclusion that the weekday p.m. peak hour is the correct $30^{\text {:h }}$ HIV. ${ }^{j 6}$

[^7]
## Saturday versus Sunday $30^{\text {th }}$ Highest Hour Comparison for I-84

At the City Council Meeting on November 23, 2009, it is our understanding that the opponent's attorney requested, and the City Council approved, that the scope of the remand hearing include a $30^{\text {th }}$ Highest Hour analysis on a Saturday. The following section discusses why a Saturday analysis would not represent the $30^{\text {ll }}$ highest hour for $\mathrm{I}-84$ utilizing the Rowena ATR.

In recent years, the $30^{\text {th }}$ HV of the Rowena ATR bas cecurred on a typical Sunday afternoon in the summer. The Analysis by Greenlight Engincering supports tlis finding; it indicates that in 2007 "the $30^{\text {II }}$ highest hour . occurred on Sunday, July 29" and that "patterns that occurred in 2007 also occurred in $2006 .{ }^{\prime \prime 7}$ There was no discussion in the Greenlight report stating that the $30^{117}$ highest hour on I-84 occurred on a Saturday.

The 2007 July data for the Rowena ATR also indicate that the highest Saturday ${ }^{18}$ hourly volume in 2007 is approximately 28 percent lower than the $200730^{311}$ HV level ( 2,513 vehicles per hour) that occurred on Sunday, July 29, 2007. Furthermore, there are multiple hours on Sundays in July that are within one petcent of the $200730^{\text {dh }}$ IIV levels. These hours occur on July 8, July 22, and July 29. Therefore, Rowena ATR data indicate chat Saturday peak hour volumes in July are 28 percent lower than $30^{1 / \mathrm{h}}$ highest hour levels and Sunday summer peak hour volumes are consistently at $30^{\text {th }}$ highest hour levels. Therefore, the $30^{\text {th }}$ highest hour for $1-84$ in the vicinity of the Chenoweth Interchange (as indicated by the Rowena ATR) clearly occurs on a typical Sunday in the summer and not on a Saturday. The Rowena ATR traffic data is provided in the appendix.

## Additional Sunday Peak Hour Impact Analysis

In their final opinion LUBA commented "that traffic counts taken at the Chenoweth Interchange on a weekend day may be necessary in order to reach an accurate conclusion about wheller the proposed development will significantly affect that interchange. ${ }^{219}$ This LUBA finding was based on information provided by Greenlight Engineering, who claimed that the Suxday weekend peak is the appropriate analysis period in which to assess project impacts at the Chenoweth Interchange. ${ }^{3 n}$ Greenlight Engineering based their conclusion on the fact that in recent years, the $30^{\text {th }} \mathrm{FV}$ of the Rowena ATR has occurred on a typical Sunday afternoon in the summer.

While it is true that in recent years the $30^{\text {th }} \mathrm{HV}$ of the Rowena ATR has occured on a typical Suuday afternoon in the summer, the appropriate analysis period at the Chenoweth Interchange is actually the wreekday p.nn. peak hour (as indicated in the previous section of this memorandum) and not the Sunday weekend peak hour claimed by Grecalight Engineering. However, to leave no doubt that the recommended improvements in the WM3 TIS will mitigate WM 3 project impacts even during the weekend, additional Sunday weekend traffic impact analysis was performed for the I -84:Chenoweth Interchange. The nearby US 30;River Road intersection was also included in the analysis due to its

[^8]close proximity to the Chenoweth interchange. Therefore, the following three intersections were analyzed for the Sunday peak hour:

- US 30 (West $6^{\text {lh }}$ Street)/River Road
- I-84 Eastbound Ramp Terminal/River Road
- I- 84 Westhound Ramp Terminaliliver Road

The Sunday afternoon analysis was performed for both the 2010 and 2027 horizon years in order to maintain consistency with the WM3 TLS and allow for direct comparison with the prior 'T1S analysis. To perform the additional analysis, Sunday aftemoon traffic counts were collected and corresponding Sunday peak hour trip generation estimates were performed. Since the Sunday counts were collected in October, a sensonal adjustment factor was determmed and applied following ODOT methodology in order to estimate peak month conditions.
'The Sunday peak hour's seasonally adjusted traffic volumes, trip generation estimates, and resulting intersection operations (both with and without the previously identified project mitigations) are discussed next. All other Sunday peak hour traffic impact analysis assumptions (i.c., trip distribution and routing, yearly growth rate, and analysis years) are consistent with the WM3 TIS; therefore, they are not discussed in this memorandum.

## Seasonally Adjusted Traffic Counts

Sunday afternoon traffic volumes were collected at the I-84/Chenoweth Interchange vicinity intersections on October $25^{\text {¹/ }}$, 2009 . The traffic counts were performed during a four-hour window (1:00 p.m. to 5:00 p.m.) to ensure that the afternoon's peak volumes were captured. Because the trafic counts were not performed durng the peak month, a seasonal adjustment factor was applied in order to cstimate pak month traffic volumes (the lower right path in Figure 1, which shows the ODOT $30^{1 / 1} \mathrm{HV}$ determination process, is applicable in this case and the finding of Step 4 would be " no ") . ${ }^{21}$

ODOT guidelines indicate that the appropriaie method for calculating the seasonal adjustment factor an interchange ramps is to use an average of the mainline and cross road seasonal adjustments (in the case of the Chenoweth Interchange, $\mathrm{I}-84$ is the mainline and River Road is the cross road). ${ }^{2.2}$ This method considers both River Road variation (i.c., local trends) and mainline I- 84 variation (i.e., regional trends), both of which are important considerations for traffic analysis performed at the Chenoweth Interchange.

The seasonal adjustment factor for River Road was determined using the Seasonal Trend Method ${ }^{23}$ (instead of either the Ort-Site ATR Method or the ATR Characteristic Table Method) because there is no ATR that is representative of River Road ar the Chenoweth Interchange ranp terminals (for reasons similar to those discussed earlier in the Applicable Analysis Period section of this memorandum). The Seasonal Trend Method was performed using the 2009 Seasonal Trend Table. ${ }^{24}$

[^9]The two applicable categories are Commuter and Summer given the mix of local and regional traffic on River Road at the Chenoweth Interchange ramp terminals. By averaging the Commuter and Summer categories and inierpolating for October $25^{\text {th }}$, the seasonal adjusiment factor for River Road was determined to be 1.12 (calculation details are included in the appendix).

The seasonal adjustment factor for mainline I-84 (i.e., the entire interstate and not just the ramps) was determined from the Rowena ATR using the On-Site ATR Method. ${ }^{25,26}$ To follow the "On-Site ATR Method," the seasonal adjustment factor (i.e., the ratio of the recorded daily volumes occurring during the peak month versus the count month) was estimated using the last five years of ATR data. The daily volumes are reported as a "percent of ADT" and are provided by ODOT in their yearly A'I'R 'Jend Summaries. ${ }^{2 ?}$ 'Ihe last five years of Rowena ATR data for the peak month (either July or August) and the two months straddling the count date (October and November) are listed in Table 2. To detcrmine the scasonal factor, the highest and lowest percents were dropped and the average was calculated using the remaining percentages. Because these percentages correlare with the $15^{\text {th }}$ of each month, interpolation was needed to determine the applicable factor for October $25^{\text {th }}$. As shown in Table 2, the seasonal factor (i.e., the ratio between the "percent of ADT" for the peak month and the count date) for $1-84$ was determined to be $1.22 .^{28}$

Table 2: Seasonal Factor for October Traffic Counts (Using Rowena ATR)

| Month | Percent of ADT |  |  |  |  |  | Seasonal Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2008 | 2007 | 2006 | 2005 | 2004 | Average ${ }^{\text {a }}$ |  |
| Peak |  |  |  |  |  |  |  |
| July | 120 | 120 | $120^{2}$ | $124^{\text {a }}$ | 123 | 121.0 | $\frac{122.3}{100.4}=1.22$ |
| August | 122 | 123 | $120^{\circ}$ | $123^{\text {a }}$ | 122 | 122.3 |  |
| Higher of the two Months |  |  |  |  |  | 122.3 |  |
| Count |  |  |  |  |  |  |  |
| October | 102 | 102 | 101 | $99^{\text {a }}$. | $103^{\text {a }}$ | 1017 |  |
| November | 99 | 96 | $96^{\text {8 }}$ | $100{ }^{8}$ | 98 | 97.7 |  |
| Oct. $25^{\text {th }}$ (interpolated) |  |  |  |  |  | 100.4 |  |

${ }^{3}$ Shaded cells represent the highest and lowest data points for the associated month that vere not included in the average calculazion.

The average of the I- 84 and River Road seasonal adjustment factors is 1.17 (i.e., the average of 1.22 and 1 12); however, to be conservative in the Sunday weekend analysis, a seasonal adjustment factor wl 1.22 was used instead. By multiplying the 1.22 seasonal factor by the October intersection counts, untic volumes were estimated tor the 2009 Sunday afternoon peak month analysis period. These traffic volumes are shown in ligure 2 .

[^10]

Figure 2: 2009 Sunday Peak Hour Traffic (Seasonally Factored)
To provide a comparison of the Sunday peak hour counts and the weekday p.m. peak hour counts, two years of $2.3 \%$ yearly growth was applied to the 2007 weekday p.m. peak hour counts from the WM3 TIS. The seasonally factored 2009 Sunday pcak hour counts and the estimated 2009 weekday p.m. peak hour counts are shown in Table 3. As shown, the Sunday and weekday p.m. peak hour traffic volumes are very similar, though the aggregate Chenoweth Interchange volumes are slightly higher during the weekday p.m. peak hour due primarily to the higher volumes entering and exiting the Chenoweth Interchange area on River Road east of the ramps.

Table 3: Link Volume Comparison of the Sunday and Weekday P.M. Peak Hours (2009)

| Count Date | Factor | Volume Comparison |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | River Rd (west of ramps $)^{a}$ | River Rd (east of ramps) ${ }^{\circ}$ | 1-84 EB Exit Ramp | 1-84 EB <br> Entrance Ramp | I-84 WB Exit Ramp | 1-84 WB <br> Entrance Ramp |
| Tuesday July 10 , 2007 | 1.046 (Growth Factor) | 503 | 157 | 184 | 88 | 67 | 135 |
| Sunday Oct. 25. 2009 | $\begin{aligned} & 1.22 \\ & \begin{array}{l} \text { (Seasonal } \\ \text { Factor) } \end{array} \end{aligned}$ | 527 | 50 | 219 | 74 | 61 | 165 |

[^11]
## Existing Intersection Operations

The 2009 existing Sunday pcak hour traffic operating conditions at the Chenoweth Interchange were determined using 2000 Highway Capacity Manual methodology. ${ }^{24}$ The performance measures include the estimated delay, level of service (LOS), and volume to capacity (V/C) ratios of the study intersections. The operating conditions are listed in Table 4. As shown in the table, all intersections currently meet operating standards.

Table 4: Chenoweth Interchange Intersection Operating Conditions (2009 Sunday Peak)

| Chenoweth Interchange Intersection | Operating Standard | 2009 Sunday Peak Hour |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Delay | LOS | V/C |
| US 30 ( $\mathrm{W}^{\text {din }}$ St)/River Rd | $0.85 \mathrm{~V} / \mathrm{C}$ | 13.5 | AiB | 0.43 |
| I-84 EB Ramps/River Rd | 0.75 V/C | 9.9 | A/A | 0.25 |
| I-84 W8 Ramps/River Rd | 0.75 V/C | 13.2 | A/B | 0.14 |
| Delay = Average Stopped Delay per Vehicle (sec) at Worst Movement (typically a minor movement) $L O S=$ Level of Service of Major StreeUMinor Street |  | Vic = Volume-to-Capacity Ratio of Worst Movemen: (typically a minor movement) <br> Bold values do not meet standaris. |  |  |

## Trip Generation

Trip generation consists of estimating the number of velicles added to the roadway network by the development for a given analysis period. Sunday aftemoon peak hour trip generation for the WM3 development was performed using the applicable shopping center urip generation rate of 3.12 trips per 1,000 square feet of gross leasable area. This rate was obtained from the Institute of Transpostation Engineers (ITE) Trip (Generation, $8^{\text {th }}$ Edition ${ }^{30}$ consistent with standand transportation engineering practices. ${ }^{31}$ Based on the proposed 240,000 squarc-fool shopping center land use, the WM3 site is cxpected to generate 749 ( $367 \mathrm{in} / 382$ out) Sunday peak hour trips, as slown in Table 5.

Table 5: WM3 Sunday Peak Hour Trip Generation Estimates

| Land Use (ITE Code) | Size |
| :--- | :---: | :---: | :---: |
|  | (SQFT) |

Because the WM3 development is a retail site, not all project trips are new vehicles being added to the roadway network. Those that are new vehicles are called "primary trips," while those that would already be in the area and that choose to stop at the clevelopment in route to their predetermined destinations are referred to as either "pass-by trips" (already on the adjacent roadway) or "diverted trips" (on nearby roadways and have to adjust their usual routing to visit the site). Similar pass-by and diverted trip assumptions were used for Sunday peak hour analysis as previously documented in

[^12]the $W M 3 T I S$, however one difference is that a lower combined pass-by and diverted trip percentage ( $26 \%$ instead of $34 \%$ ) was used to be consistent with weekend pass-by data provided in the ITE Trip Generation Handbook.? The breakdown of Sunday peak hour project trips by trip type is shown in Table 6 . It should be noted that the 180 Sunday peak hour diverted project trips make up approximately seven percent of the $30^{\text {th }}$ bighest hourly volumes on I-84.

Table 6: WM3 Sunday Peak Hour Trip Generation Breakdown by Trip Type

| Table 6: WM3 Sunday Peak Hour Trip Generation Breakdown by Trip Type |  |  |  |
| :--- | :---: | :---: | :---: |
| Trip Type | Sunday Peak Hour Trip Breakdown |  |  |
|  | In | Out | Total |
| Primary Trips | 270 | 285 | 555 |
| Pass-By Trips | 7 | 7 | 14 |
| Diverted Trips | 90 | 90 | 180 |
| Total Trips $\left(3.12\right.$ trips $\left.11,000 \mathrm{ft}^{2}\right)$ | 367 | 382 | 749 |

The routing of WM3 primary and diverted project trips through the Chenoweth Interchange is shown in Figure 3. Only primary and diverted trips use the Chenoweth Interchange because pass-by trips only occur at the project driveways. One item of note in the figure is that vehicles are subtracted from the northbound left and southbound right movements at the Chenoweth Interchange exit ramps to account for the portion of diverted trips that were already using the Chenoweth Interchange ramps. These vehicles would have turned to head west bui instead turn to head east to access the site (and then once they leave the site, these vehicles then head westbound over the Chenoweth Interchange to continue their trip).

[^13]

Figure 3: Project Traffic (Sunday Peak Hour)

## 2010 Traffic Volumes and Intersection Operations

Sunday peak hour traffic volumes were projected for the 2010 horizon year using the same $2.3 \%$ yearly background growth rate assumed in the WM3 TXS. Because the counts were collected in 2009, one year of background traffic growth was added to the seasonally factored counts in order to determine 2010 background traffic volumes. Then, project traffic was added to obtain 2010 total traffic volumes. The 2010 background and total Sunday peak hour traffic volumes are shown in Figure 4.

The 2010 Sunday peak hour traffic operating conditions at the Chenoweth Interchange were then determined and are listed in Table 7. As shown, operating standards are met for both analysis periods. Therefore, no project mitigations are needed at the Chenoweth Interchange at the time of project build-out.


Figure 4: 2010 Background and Total Sunday Peak Hour Traffic

Table 7: Chenoweth Interchange Operating Conditions (2010 Background and Total)

| Chenoweth Interchange Intersection | Operating Standard | 2010 Sunday Peak Hour (Unmitigated) |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Delay | LOS | V/C |
| Background Operating Conditions |  |  |  |  |
| US 30 (W 6 St) S (River Rd | 0.85 V/C | 13.8 | A/B | 0.44 |
| 1-84 EB Ramps/River Rod | 0.75 V/C | 10.0 | A/A | 0.25 |
| -84 WB Ramps/River Rd | $0.75 \mathrm{~V} / \mathrm{C}$ | 13.4 | $A / B$ | 0.15 |
| Total Operating Conditions |  |  |  |  |
| US 30 (W 6 ${ }^{\text {th }}$ St)/River Rd | 0.85 ViC | 16.7 | A/C | 0.56 |
| I-84 EB Ramps/River Rd | 0.75 V/C | 14.0 | $A / B$ | 0.34 |
| 1-84 WB RampsiRiver Rd | $0.75 \mathrm{~V} / \mathrm{C}$ | 17.9 | A/C | 0.44 |
| Delay miverage Stopped Delay per Vehicle (sec) at Worst Novement (typically a minor movement) LOS = Levol oi Service of Major Street/Minor Street |  | V/C $=$ Voiume-to-Capacity Ratio of Worst Movement (typically a minor movement) |  |  |
|  |  | alues do notr | andard |  |

## 2027 Traffic Volumes and Intersection Operations

Sunday peak hour traffic volumes were also projected for the 2027 horizon year using a $2.3 \%$ yearly background growth rate. Eighteen years of background traffic growth were added to the seasonally factored counts in order to determine 2027 background traffic volumes. Then, project traffic was added to obtain 2027 total traffic volumes. The 2027 background and total Sunday peak hour traffic volumes are shown in Figure 5.


Figure 5: 2027 Background and Total Sunday Peak Hour Traffic
The 2027 Sunday pak hour tralfic operating conditions at the Chenoweth Interchange are listed in Table 8. As shown, operating conditions at the US 30 (West $6^{\text {h }}$ Street) River Road intersection would be slightly worse than the operating standard. However, operating conditions at the two I-84 interchange ramps meet standards during the Sunday peak hour and would not require mitigation.

Table 8: Chenoweth Interchange Operating Conditions (2027 Background and Total)

| Chenoweth Interchange Intersection | Operating Standard | 2027 Sunday Peak Hour (Unmitigated) |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Delay | LOS | $V / C$ |
| Background Operating Conditions |  |  |  |  |
| US 30 (W $6{ }^{\text {th }}$ SI)/River Rd | $0.85 \mathrm{~V} / \mathrm{C}$ | 22.7 | A/C | 0.70 |
| 1-84 EB Ramps/River Rd | $0.75 \mathrm{~V} / \mathrm{C}$ | 11.1 | A/B | 0.37 |
| 1-84 WB Ramps/River Rd | $0.75 \mathrm{~V} / \mathrm{C}$ | 17.9 | A/C | 0.27 |
| Total Operating Conditions |  |  |  |  |
| US 30 ( $\mathrm{N}^{611} \mathrm{St}$ ):'River Rd | $0.85 \mathrm{~V} / \mathrm{C}$ | 36.1 | A/E | 0.86 |
| I-84 EB Ramps/River Rd | $0.75 \mathrm{~V} / \mathrm{C}$ | 15.9 | A/C | 0.42 |
| I-84 WB RampsiRiver Rd | $0.75 \mathrm{~V} / \mathrm{C}$ | 33.7 | A/D | 0.68 |
| Delay = Average Stopped Delay per Vehicle (sec) at Worst Movement (typ:caily a minor movement) LOS - Level of Service of Major Streel/Minor Street |  | V/C $=$ Volume-to-Capacity Ratio of Worst Movement (typically a minor movement) <br> Bold velues do not meet standards. |  |  |
|  |  |  |  |  |  |

## 2027 Mitigated Intersection Operations

Regardless of whether 2027 total traffic conditions are analyzed during the weekday p.m. peak hour or the Sunday peak hour, mitigations are needed at the US 30 (West $6^{\text {th }}$ Street)! River Road intersection. The WM3 TIS identified the following mitigation measure at this intersection:

- US 30 (West $6^{\text {ih }}$ Street)/River Road; Restripe northbound $W .6^{\text {th }}$ Street approach to inchade a 100 -foot right curn lane with taper at River Road (some minor widenng may be necessary).

Mitigation measures for the Chenoweth Interchange ramps were also identified in the WM3 TIS because they were needed for the weekday p.m. peak hour. Even though they are not needed for the Sunday peak hour, the following mitigation measures were analyzed to provide additional comparison between the weekday p.m. peak hour and the Sunday peak hour:

- 1-84 Eastbound Ramp Terminal/River Road: Install traffic sigual.
- 1-84 Westbound Ramp TerminaliRiver Road: Install traffic signal.

The intersection operating conditions resulting from these mitigations are listed in Table 9 for both the weekcay p.mn. peak hour (as reported in the $W / M 3 T I S$ ) and the Sunday peak hour so provide a comparison with the WM3 TJS analysis results. For comparison purposes, the unnitigated 2027 total operating conditions were also provided. As shown, the mithgated intersection operating conditions ate better during the Sunday peak hour at the Chenoweth Interchange intersections than the weekday p.m. peak hour. It is also clear that the previously identified mitigations allow the Chenoweth Interclange to meet operating standards wich substantial excess capacity durng both analysis periods.

Table 9: Chenoweth Interchange intersection Operating Conditions Summary (2027 Total)

| Mitigation by Chenoweth Interchange intersection | 2027 Total Intersection Operating Conditions |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Weekday P.M. Peak Hour |  |  | Sunday Peak Hour |  |  |
|  | Defay | LOS | VFC | Delay | LOS | V/C |
| U\$ 30 (W 6th St)/R/ver Rd (0.85 ViC Operating Standard) |  |  |  |  |  |  |
| Unmitigated (Unsignalized) | 36.5 | AJE | 0.86 | 36.1 | AJE | 0.86 |
| Restripe NB approach to include 100foot right turn lane (Unsignalized) | 17.0 | A/C | 0.64 | 16.0 | $A / C$ | 0.60 |
| 1-84 EB Ramps/River Rd (0.75 V/C Operating Standard) |  |  |  |  |  |  |
| Unmitigated (Unsignalized) | >50 | AFF | 0.94 | 15.9 | AVC | 0.42 |
| Install Traffic Signal | 13.2 | B | 0.44 | 14.9 | B | 0.41 |
| l-84 WB Ramps/River Rd (0.75 V/C Operating Standard) |  |  |  |  |  |  |
| Unmitigated (Unsignalized) | 42.2 | B/E | 0.78 | 33.7 | A/D | 0.68 |
| Install Traffic Signal | 13.3 | 8 | 0.55 | 10.2 | B | 0.42 |
| Signalized intersections: <br> Delay = Average Stoppec Delay per Vehicie (sec) <br> LOS = Level of Service of Intersection <br> $\mathrm{V} / \mathrm{C}=$ Volume to-Capacity Ratio of Intersection <br> Bold walues do not meet standards. |  | Unsignalized intersections: <br> Delay = Average Stopped Delay per Vehicle (sec) at Worst Movement (typically a minor movement) LOS = Level of Service of Major StreetiMinor Street V/C = Volumc-to-Capacity Ratio of Worst Movement (typically a minor moverment) |  |  |  |  |

## Summary

In summary, the appropriate analysis period to deternine WM3 project impacts at the Chenoweth Interchange was indeed the weekday p.m. poak hour. This finding is supported by both ODOT's design hour decemination methodology and additional analysis performed for the Sunday peak hour.

Since the weekday p.m. peak hour is che critical analysis period, the prior improvements that were identified at the Chenoweth Interchange are still recommended. These improvements include:

- US 30 (West $6^{\text {th }}$ Street)/River Road: Restripe northbound W. $6^{\text {th }}$ Street approach to include a $10(0$ foot right harn lane with taper al River Road (some minor wiclening nay be mecessary).
- 1-84 Lasthound Ramp Terminal/River Road: Install traffic signal.
- I-84 Westbound Ramp Terminal/River Road: Install traffic signal.

The developer has previously been conditioned to provide a financial assurance that the above improvements will be constructed when warmaterl as was sel forth in the City of The Dalles Resolution No. 09-013.

## Appendix

DKS Memorandum - February 23, 2009
ODOT TPAU Analysis Procedures Manual Sections 4.1-4.4
Rowena ATR Information
Greenlight Engineering Letter - Applicable Pages of February 6, 2009 Letter and Appendix

Traffic Counts - Sunday Peak Hour
Seasonal Adjustment Factor Calculations
Level of Service Descriptions
HCM Analysis - Existing
HCM Analysis - 2010
HCM Analysis - 2027
HCM Analysis - 2027 Mitigated

## DKS Associates

# MEMORANDUM 

TO: Dale McCabe, City Engineer, City of The Dalles
CC: Scott Franklin, PacLand
Jeff Evans, Davis Wright Tremaine


EXPIRES: 12.31-2010

FROM: $\quad$ Scott Mansur, P.E. P.T.O.E. Sm Brad Coy, E.I.T. Pe

DATE: February 23, 2009

## SUBJECT: DKS Associates' Responses to Greenlight Engineering Regarding WM3 Wal-Mart Development

This memorandum is similar to a February 9, 2009, memorandum ${ }^{1}$ that proviced DKS Associates' responses to transportation comments provided by Greenlight Engineering that was submitted for the subdivision application. The only difference between this memorandum and the February 9, 2009, memorandum is the sight distance response on page 5.
In their letter ${ }^{2}$ dated February 6, 2009, Greenlight Engineering raised several concerns relating to The Dalles WM3, Inc. Development Transportation Impact Srudy (WM3 TIS) prepared by DKS Associates in September of 2007. ${ }^{3}$ DKS Associates does not agree with the Greenlight Engineering findings, and clanifications and relbutals to the transportation issucs presented by Greenlight Enginecring are provided below.

## DKS Response to "Little Room for Error"

The picture painted by Greenlight Engineering regarding "litlle room for erron" is biased. They use as support for their argument that the $1-84 \mathrm{~EB}$ Off-ramp/River Road intersection operates at a $0.72 \mathrm{~V} / \mathrm{C}$ ratio under the 2010 unnitigated scenario. This does not account for the TlS findings that 17 years later under the 2027 mitigated operations, this intersection would actually have a $V / C$ ratio of 0.44 based on the improvements conditioned on the development. ${ }^{4}$

Furthermore, the purpose of mobility standards is to provide a minimum desired level of intersection operations. In more rural communities, such as The Dalles, operating standards are often much lower than urban areas to reflect the desire for less congested conditions and driver expectations. Volume to capacity (VIC) ratio operating standards of 0.75 and 0.85 are very

[^14]conservative (V/C standards in the Portland Metropolitan area can be as high as 0.99). In addition, the $0.75 \mathrm{~V} / \mathrm{C}$ ratio operating standard at the $1-84$ off-ramp/Chenoweth Road intersection is a temporary standard. The actual V/C standard was 0.85 prior to WM3/City/ODOT development agreement, in which the Oregon Department of Transportation (ODOT) requested that the standard be lowered to 0.75 to provide an additional $13 \%$ factor of safety until the Interchange Area Management Plan (AMP) for the Chenoweth interchange can be completed.s

Therefore, factors of safety have already been built into the reguired operating standards at the Chenoweth Interchange area and meeting these standards (or mitigating back to pre-project conditions when standards are exceeded under expected future background conditions) is sufficient to mitigate development impacts with a significant margin of error.

## DKS Response to "Trip Generation Calculated Incorrectly"

It is agreed that a simple error was made when reporting the trip generation cstimates for the WM3 development; however, it is not the same error indicated by Greenlight Engineering nor does it have the same inplications. In fact, no change in the analysis is required because the error does not change the number of PM peak hour trips to be generated by the development: Instead, the error was that an incorrect development size and PM peak hour trip rate was reported. Instead of being 260,000 square feet of gross floor area, the proposed development should have been reported as only consisting of 240,000 square feet with an associated rate of 4.65 PM peak heur trips per 1,000 square feet. When updated, Table 9 from the TIS is as follows.

## UPDATED TABLE 9: WM3 New Trip Generation Estimate

$\left.\begin{array}{l|ccc}\hline \text { Land Use (ITL Code) } & \begin{array}{c}\text { Size } \\ \text { (SQIT) }\end{array} & \text { PM Peak Hour Trips* } & \text { Tota/ (h7/OMt) }\end{array} \begin{array}{c}\text { PM Peak Hour Generation Rate** } \\ \text { (trips/1,000 SQIT) }\end{array}\right]$
${ }^{*}$ Based on ITE equat:an: Ln(PM Peak Hour Trips $)=0.66 * 1$ : ( $(\mathrm{K} S \mathrm{SF})+3.40$
**Back-calculated based on trips arid size
While we apologize for the error and the resulting misinformation regarding potential development size that was provided in the traffic study, this error has absolutely no effect on the current subdivision application, which only includes 150,000 square feet of development (approximatefy 90,000 square feet fewer square feet than was assumed in the traffic study).
Regarding firture development on the project site, until the Chenoweth Interchange Area Management Plan is completed by ODOT and the 1-84 off-ramp/Chenoweth Road intersection operating standard is readjusted to the typical $0.85 \mathrm{~V} / \mathrm{C}$ threshold, it is recommended that only 240,000 square feet of total gross floor area be allowed on the WM3 site as a condition of approval for the development site as a whole. This will ensure that the impacts indicated in the Tis are accurate.

[^15]
## DKS Response to "30th Highest Hour Not Evaluated as Required"

Because traffic volumes vary widely throughout the year, the typical practice is to analyze transportation facilities under their " $30^{\text {h2 }}$ Highcst Hourly Volumes" ( $30^{\text {th }} \mathrm{HV}$ ). When estimating $30^{\text {lh }} \mathrm{HV}$, many factors come into play, including: local traffie patterns, surrounding land uses, and regional traffic trends. Because all of these factors must be considered, coordination with City, County, and ODOT regional traffic engineers is essential due to their local knowledge of traffic patterns and their understanding of transportation policies and procedures. The $30^{\text {th }} \mathrm{HV}$ time period for the WM3 TIS study intersections was determined in close coordination with the City of The Dalles, Wasco County, and ODOT Region 4. The selection of the TIS analysis count period was reviewed and found satisfactory before analysis was performed.

A review of the process that was followed for the selection of the TIS analysis count period will clarify why the WM3 Development TIS does provide the appropriate design hour volumes and why the $30^{\text {1h }}$ highest hour methodology suggested by Greenlight Engineering is inappropriate.

First, it must be understood how local traffic patterns differ from the interstate freeway traffic patterns provided by the ODOT Automatic Traffic Recorder (ATR) located on I-84 west of The Dalles. The City of The Dalles Traffic Impact Study Guidelines specify that a weekday PM peak hour analysis is typically appropriate. The Dalles City Engineer selected the weekday PM peak hour as the critical peak period within the City of The Dalles because of his knowledge that it is during the weekday PM peak hour that traffic volumes at City intersections consistently reach their peak levels. This assumption was confirmed with the City Engineer during the TIS scoping.

A second consideration for the analysis period is the surrounding land uses, which are principally industrial uses and generate little to no traffic during the weekend. The third consideration is the yearly traffic fluctuation, which is typically most impacted by regional traffic patterns due to the fact that local employment-related traffic patterns stay relatively consistent throughout the year. Therefore, while the critical peak period during the week is the weekday PM peak hour, the critical time (or peak month) of the year is best determined by considering regional trends.
In the WM3 TIS, the $30^{\text {ll }}$ Highest Hourly Volumes ( $30^{\text {lin }}$ HIV) were collected during the weekday PM peak hour during the month of July (which is the peak monilh). The study reports, "Detailed seasonal traffic volume data for the Rowena ATR determined that the peak month occurred during July." The Rowena ATR referred to is located on I-84 and provides a good representation of overall regional traffic patterns. However, a detailed analysis of hour-by-hour traffic patterns at the Rowena ATR is inappropriate for determining $30^{\text {th }} \mathrm{HV}$ at the TIS study intersections because the main contributors to intersection volumes are the local traffic generators (not I-84). If the study intersections were actually located on the mainline interslate, then the hour-by-hour analysis methodology outlined by Greenlight Engineering would be applicable. However, none of the stucly intersections are located on mainline [-84; thereforc, stady interscetion volumes to not correlate directly with the Rowena ATR volumes. Instead the Rowena ATR is only helpful for determining the peak month of the year. "This assumption was confirmed by ODOT staff.

[^16]It should be noted that the $30^{\text {li }}$ highest hour provided by the Rowena ATR and recommended by Greenlight correlates to a Sunday in July from 3:00 to 4:00 p.m. Laving grown up in Hood River and The Dalles and observing numerous hours of traffic the past few years during the weekday and weekends, it is clear that the Sunday traffic volumes from 3:00 to 4:00 p.m. at the study area intersections would be significantly lower than the traffic volumes analyzed in the WM3 Transportation Impact Study. This assumption was also verified by the City Engineer who has a clear understanding of the traffic volumes in the City of The Dalles.

## DKS Response to "Key Intersections Excluded"

Prior to performing the WM3 TIS, a memorandum documenting the scope and key assumptions of the study was provided to the City of The Dalles, Wasco County, and ODOT Region 4 for review. ${ }^{7}$ This memorandum included a list of the eight study intersections that were to be analyzed in the TIS. These eight intersections were selected based on conversations with key staff at each of the above agencies and were reviewed and approved by City of The Dalles, Wasco County, and ODOT Region 4. The Greenlight claim that "the criteria for selection is not consistent" is unfounded when one considers the coordination with the reviewing agencies as well as the development agreement, which specifies that "the traffic impact analysis will consider traffic impacts to the Chenoweth Interchange, Webber Street Interchange and U.S. 30 and adjacent local streets." A review of the list and locations of the study intersections shows that they are consistent with the development agreement.
A further indication of agency involvement in the selection of study intersections is the fact that even after the original approval and while the WM3 TIS was under review, ODOT requested that one additional intersection be analyzed. DKS and WM3 agreed to include this additional intersection and did so by preparing a supplemental analysis memorandum. ${ }^{8}$

## DKS Response to " 2010 Build-Out Year of TIS does not match 2011 BuildOut Year of Land Use Application"

The TIS was prepared and submitted in 2007 when the planed build-out year was 2010. Due to recent economic conditions and other setbacks, the project build-out year has changed. This is a common occurrence for developments, but it is not critical as suggested by Greenlight Engineering because the total mitigation package targets growth througln the year 2027. Therefore, if any of the mitigations in the 2027 package are trigyered when the project is completed, a mechanism for requiring the WM3 development to construct the necessary mitigation(s) will be in place.

## DKS Response to "TIS Does Not Provide a 20 -Year Analysis"

The WM3 TIS was prepared, submitted, and approved in 2007; therefore, the 2027 future year analysis that was included was in fact a 20 -year analysis and satisfies the development agreement between the City of The Dalles, ODOT, and WM3. It is significant to note that only a 15 -ycar analysis would have been necessary if the agreenent would have solely required that the traffic study comply with the Transportation Planning Rule (TPR).

[^17]
## DKS Response to "Sight Distance Inadequate at I-84 EB Off-Ramp/River Road"

Based on a discussion with the ODOT designer, the Chenoweth Interchange was designed and constructed in 1996 assuming a 35 mph design speed. ${ }^{4}$ Given the 35 mph design specd, 250 feet of stopping sight distance would be required. Thercfore, while the design speeds that are represented by Greenlight may be applicable to River Road north of the interchange area, they are not applicable to the interchange ramp terminals. The operating speeds at the interchange are 35 mph due to the approach grades, the stop control tee-intersection nature of River Road as it terminates at Highway 30 approximately 350 feet west of the interchange. As was stated in the Greenlight memo, approximately 480 feet of stopping sight distance was measured and therefore clearly exceeds the nccossary standard for the 35 mph design speed.

DKS Response to "Compliance with Ordinance No 06-1269 and TPR"
Compliance to the Transportation Planning Rule (TRP) will be achieved by conditioning the WM3 development to construct the mitigation measures identified in the WM3 TIS at the time the mitigation is triggered by local conditions. ${ }^{10}$ It is significant to note that only a 15 -year analysis and corresponding mitigations would have been necessary should Ordinance No 06 1269 have solely required compliance with the Transportation Planning Rule (TPR).

DKS Response to "Shopping Center Designation Inappropriate" and "Inappropriate Shopping Center Designation Suggests Lower Traffic Volume than will be generated by the Proposed Development
It can and will be argued that the free-standing discount store (ITE Land Use 815) is not an appropriate choice for the proposed development. The description of a similar land use-a freestanding discomin superstore (I'TE Land Use 813)-makes this clear: It states:
"The discount superstores in this category are similar to the free-standing discount stores described in Land Use 815, with the exception that they also contain a full service grocery department under the same roof that shares entrances and exits with the discount store area." ${ }^{\prime \prime}$

Because the proposed development includes a full service grocery department, the free-standing discount store (ITE Land Use 815) trip generation assumptions presented by Greenlight Engineering are not applicable to the proposed development. Instend, a more appropriate land use choice would be a free-standing discount supcrstorc (ITE Land Use 813). Even so, the shopping ceuter (ITE Land Use 820) trip generation rate of 4.65 trips/KSF presented in the WM3 TIS is much more conservative than a free-standing discomit superstore (ITE Land Use 813) which is 3.87 ripsiKSF.

According to the YTE Yrip Cieneration Momual, a free-standing discount superstore (TE Land Use 813) has a PM peak hour trip rate of only 3.87 trips per 1,000 square feet. ${ }^{12}$ This is approximately $20 \%$ lower than what was assumed in the WM3 TIS.

[^18]Furthermore, counts were performed at four similar Wal-Mart stores throughout Oregon and Washington and it was determined that the trip rate of 4.65 tripsiKSF was found to be conservative as compared to the actual WalMart trip data. Figure 1 as shown in the appendix summarizes the trip generation comparison.

DKS Response to "No Analysis of Saturday Peak Hour"
Based on discussions with ODOT, Wasco County and the City of The Dalles the weekday PM peak hour was selected as the critical peak period within the City of The Dalles since this is the peak of the adjacent roadways and the adjacent uses consist of industrial uses that have little to no weekend trip generation. Therefore, Saturday peak hour analysis was not deemed necessary.

## DKS Response to "Violation of City Minimum Tangent Standards" and "Violation of City Minimum Grade Standards"

These issues will be determined as part of the design review conducted by the City of The Dalles, Wasco County, and ODOT and are not applicable to the current application.

## DKS Response to "Lack of Traffic Signal Warrant Analysis"

The traffic signal needs as identified in the WM3 Transportation Impact Study' were shown as being needed prior to the 2027 analysis period but were not needed for the short-term 2010 scenario. Traffic signal installation is govemed based on traffic volume warrant thresholds as provided in the Manual on Uniform Traffic Control Devices and should be installed when one or more of the warants are met. The WM3 Development has been conditioned to install the craffic signals as identified in the traffic study when these warrants are met. However, the traffic signal warrants cannot be evaluated at this time since they are based on actual traffic volumes and not theoretical traffic volumes. It should be noted that the WM3 TIS does indicate that "the developer should coordinate with ODOT, Wasco County, and the City of The Dalles to determine how the developer can contribute funds towards future traffic signals as identified." It is understood by all entities involved that future traffic signals can only be installed when indicated by a traffic signal warrant analysis. It is also clearly advantageous to all involved that when the time comes that luaffic signal warrants are met, funding will already be available.

## DKS Response to "No Crash Data - TIS Lacks Transparency"

Greenlight Engineering indicates that because the $6^{\text {th }}$ Street/Webber Street intersection has a crash rate greater than 1.0 collision per million entering vehicles, a detailed review of collision history at this intersection should be performed. This analysis was in fact performed and is included in the Accident History section of the WM3 TIS. The corresponding paragraph is reproduced below:
"A more detailed evaluation of the W. $6^{\text {lh }}$ Street/Webber Street collisions was conducted to determine the types and severity of the collisions. The collision data yielded 8 rear-end, 8 turning and 4 angled collisions with 7 of those collisions laving injurics. The W. $6^{\text {th }}$ StrectiWebber Strect traffic signal curently has permitted left turn phasing on all approaches with heavy northbound and southbound through traffic. The majority of the collisions (11 of the 20 collisions) could be related to the permitted left turn traffic signal phasing. This
intersection should consider protected or protective'permissive phasing to improve intersection safety."
Safety will in fact be improved by ine proposed mitigations identified in the WM3 TIS for the W $6^{\text {th }}$ Street/Webber Street intersection. Specifically, the mitigations include the addition of a westbound left-turn lane, which would enable the addition of a protected phase for the left-tum movement, thereby increasing intersection safety.
It is agreed that the detailed crash history is typically provided in a TIS appendix. This oversight will be corrected, and the ODOT crash reports will be provided to the City.

## DKS Response to "Reasonable Access Requirement Not Addressed"

Two accesses are in no way unrcasonable for a development as large as the one being proposed. This is especially true given the lack of an adjacent local street network. In fact, it is recommended that all developments, no matter how large, should have at least two accesses to the nearby strect network in order to ensure a secondary access is available for emergency pupposes. Other clear bencfits to having two accesses are that less out-of-direction travel is required, thercby reducing vehicle miles traveled (VMT), and additional capacity is available, thereby reducing congestion.

## DKS Response to "Lack of Transparency Regarding TIS Scoping"

Prior to performing the W W 33 TIS, a memorandum documenting the scope and key assumptions of the study was provided by DKS Associates to the City of The Dalles, Wasco County, and ODOT Region 4. The memorandum was reviewed and approved and will gladly be provided to any interested parties.

## DKS Response to "Turn Lane Worksheets Not Provided as Referenced"

It is agreed that no turn lane worksheets were included in the appendix as referenced in the WM3 TIS. This oversight will be corrected and the turn lane worksheets will be provided.

Feel free to give us a call if you have any questions or comments.

## ODOT TPAU Analysis Procedures Manual Sections 4.1-4.4

## 4 DEVELOPING DESIGN HOUR VOLUMES

### 4.1 Purpose

DHVs are used for ODOT planning and project level analyses. The DIIV is defined as the future ycar 30 HV . The following procedure outlines the development of the DHV for a single intersection based on the application of seasonal factors and growth rates to manual counts.

Daily traffic count volumes cannot be used alone for design or operational analysis of transportation projects. This chapter will outline the procedure for developing the $\mathrm{DH} V \mathrm{~s}$ used for ODOT plaming and project level amalysis. Topics covered include:

- General Considerations
- Peak Hour Selection
- Seasonal Factors
- Volume Development for Sketch Planning
- Forecasting
- Comprehensive Example

Figure 4-1 Process for Development of 30th Highest Hour Volumes


### 4.2 General Considerations

### 4.2.1 Rounding

The 30 HV or DHV need to be rounded before the network is balanced. The traffic volumes are not that precise to go down to one vehicle, especially beyond the existing year. Balancing the network is easier if the network is not down to the individual vehicle. Round volumes to the nearest five for the existing, build ycar and any short-tcrin future years. Twenty-year future volumes can either be rounded to the nearest five or ten vehicles. Volumes less than five vehicles should use the " $<5$ " symbol instead of using zero.

### 4.2.2 Need for Balancing

The 30 HV and the DHV networks need to be balanced. Balancing is simply, "what goes into an intersection or segment needs to come out." Without balancing, it is possible to have two intersections with nothing between them with the volume that leaves one intersection and enters the next one be 200 vph or more different. Interstates and expressways with interchanges and no accesses need to balance perfecty from one intersection or interchange to another. Roadways with accesses probably will not balance perfectly, but should be consistent from intersection to intersection.

The timing of the traffic counts can help determine how easy a network is to balance. Counts that are spread throughout the allowable three-year span taken at different time of the year will be harder to balance than counts all taken on the same day or within a week of each other.

### 4.2.3 Documentation

It is critical that afler every step in the 30 HV and DHV processes that all of the assumptions and factors ate carefully documented, preferably on the graphical figures themselves. Seasonal adjustments, ATR 30 HV adjustments, yearly growth factors, 20 - year growth factors, ATR's used, peak hour assumed are some of the itcms that necd to be documented. If all is documented then anyone can easily review the work or pick up on it quickly without questioning what the assumptions were. The documentation figures will eventually end up in the final report or in the technical appendix. The volume documentation should include:

- Figure showing raw raffic volumes with hour, month, day and year that the peak hour occured. Also show the lane configurations and the intersection control type. See Figures $4-15$ and 4-16.
- Figure showing raw traffic volumes for the system peak hour. See Figures 4-17 and 4-18. Figure showing unbalanced base year 30 IIV. Show any yearly growth factors to adjust counts to base year plus any seasonal factors used. See Figures 4-19 and 4-20.
- Figure showing balanced basc ycar 30 HV See Figures 4-21 and 4-22.
- Figure showing balanced future year DHV. Note on the figure how future volumes were developed. If historic trends were used, cite the source. If the cumulative method was uscd, include a land use map, information that documents trip generation and through movement growth. If a model was used, attach the base aud future year model nuns. See Figures 4-23 and 4-24.


### 4.3 Peak Hour Selection

Daily traffic voluntes, while useful for planting purposes, camot alone be used for design or operational analysis purposes. Once all of the traffic counts have been obtained, the intersection counts should be adjusted to a single system peak hour. The peak hour is the single hour of the day that has the highest hotrly volume. Lise of the 15 -minute breakdowns in the traffic counts is necessary in order to determine the true peak hour, resulting in a time period such as $4: 00 \mathrm{PM}$ to 5:00 PM or, just as easily, 4:45 PM to 5:45 PM. The final selection of a peak hour may be based on a simple majority of counts that have the same peak hour, using a controlling intersection, or the count(s) that the analyst belicves are the most accurate. Counts that have longer durations or that are taken close to the 30 FV are generally more accurate. A procedure using TruckSum to detcmine the systen peak hour volumes and other factors when the count peak hour is different from the system peak hour is provided in Chaptcr 11

Generally PM peak hour volumes are higher than AM peak hour volumes. In areas where there are large industries with shift changes, the hour during the shift change may be as high as or higher than the PM peak hour for the remander of the transportation network. If this is true, another set of volumes should be devcloped. Volumes for the non-standard peak hour should be developed along with the PM peak hour volumes so that all of the volumes may be analyzed at a later date. Multiple sets of volumes may be necessary in these circumstances, which may include areas of heavy industrial, retail, or recreational uses; coastal routes; or on routes with highly directional commuter flows.

The peak hour from a manual count is converted to the 30 HV by applying a seasonal factor. The 30 HV is then used for design and analysis purposes. Experience has shown that the 30 HV in large urban areas usually occurs on a week day during the peak month of the year. The 30 HV for an urban area typically ranges from 9 - to 12 -percent of the Average Annual Daily Traffic (AADT). For a recreational route, the 30 HV usually occurs on a summer weekend and ranges from 11- to 25 -percent of the AADT.

It is recommended a top 200- to 500 -hour count listing of the ATR(s) is obtained from the Transporiation Systems Monitoring Unt. The 30 IIV at the ATR(s) will be included in the list so that it will be possible to determine when the 30 HV occurs during the day and in the week. Manual counts can then be timed for the period when the 30 HV will likely occur, minimizing seasonal adjustments.

Figure 4-1 is a simplified flow charr of the process for developing 30th highest hour volumes.

### 4.4 Seasonal Factors

Since manual counts are taken throughout the year, data derived from a count taken in a particular month may need to be converted to the peak month by applying a seasonal factor. This can be accomplished using data collected from the ODOT ATR stations.

There are 141 ATR stations throughout the State Highway System. Most of thesc locations have locps in the roadway that count traffic flows for 24 hours a day/365 days a year, and have been in operation for many years. ATR information is available from the ODOT Transportation (Traftic) Volume Tables (TVI) located on the TDD Transportation Data Traffic Counting Program web site: as well as the ATR Characteristic Table and the Seasonal Trend Table located on the Transportation Analysis webpage of the TDD Planning Section website.

ATRs provide the percentage of AADT that occurs in the count month and in the peak month. This information can then be used to develop a seasonal adjustment that may be applied to the manual count using onc of the following three methods.

- On-Site ATR Method
- ATR Characteristic Table Method
- ATR Scasonal Trend Table Method

The On-Site ATR Method is the best and most accurate method to use, followed by the ATR Characteristic Table Method and then the ATR Trend Table Mcthod. All of the seasonal adjustment tables and $A T^{\prime} R$ information are updated annually.

Seasonal factors greater than $30 \%$ shoukl be avoided. Factors such as these indicate that a count was NOT taken at or close to the time that the 30 HV occurs. Using a winter count with a high seasonal factor to represent the peak summer period will likely not represent traffic turning movements accurately, as driving patterns change in the winter comparex to the summer. As an example, suppose a count was taken at a rural intersection in the winter months with one of the mmor legs of the intersection serving a campground beyond the intersection. The turning volume in the direction of the campground may be small or non-existent; say 5 vph . Even with a seasonal factor of $50 \%$, this would result in an adjusted volume of only 8 yph , compared to an actual summer 30 HV that may be 20 vpl . Simply factoring for the season would still leave the turning movements too low.

### 4.4.1 On-Site ATR Method

The On-Sitc ATR Methed is used when there is an ATR within or ncar the project area. If located outside of the project area, there should be no major intersections between the ATR and the project area, and it should be within a minimal distance so that the traffic characteristics such as road class, number of lanes, rural/urban area, cte., are comparable. It is also important to check that the project area's AADT in the Transportalion Volume Table is within $1 /-10 \%$ of the ATRs AADT.

## Example 4-1 Seasonal Factor - On-Site ATR

## On-Site ATR in Project Area

A traffic count was taken June 15th-18th along Kings Valley Highway No. 191 (OR 223) al MP 28.00 .

- Step 1: Transportation Volume Table - ATR 02-005, located on Kings Vallcy Highway at MP 26.40 , can be used.
- Step 2: ATR Trend Sumnary - The ATR number corresponds to a table in the last half of the TVT that contains yearly summaries for each ATR. From the column tited "Average Weekday Traffie'Percent of ADT," the count month and peak month percentage of ADT should be reconded. This information should be obtained from TVT's for the past five years. The peak month is the month with the highest pereentage. The bighest and lowest percentages should be elmminated to account for construction activity that may have occurred in the vicinity of the ATRs during the fiveyear period. An average percent of ADT is then calculated for the remaining three years. The percentages showin in the TVT represent the 15 th day of the month, so interpolation is needel if the count was taken near the beginning or end of a month. Account for construction activity that may have occurred in the vicinity of the ATRs during the five-year period. An average percent of $A D T$ is then calculated for the remaining three years. The percentages shown in the TVT represent the $15^{\text {dh }}$ day of the month, so interpolation is needed if the count was taken near the beginning or end of a month.

Table 4-I Seasonal Adjustment Using ATR $\# 02-005$

|  | 2003 | 2002 | 2001 | 2000 | 1999 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Peak Month <br> (July) | $112 \%$ | $113 \%$ | $121 \%$ | $114 \%$ | $115 \%$ |
| Connt Month <br> (June) | $108 \%$ | $108 \%$ | $105 \%$ | $114 \%$ | $115 \%$ |

Note: Shaded values dropped finm average calculation.
As shown in Table 4-I, the percentage of ADT values listed during June and July for the past five years are reviewed to calculate the average. The higlest and lowest values, shown as sluaded, are dropped from this calculation. The average monthly factors are determined as follows:

- The average peak month (Inly) is: $(113 \%+114 \%+115 \%) / 3-114 \%$.
- The average count month (June) is: $(108 \%+108 \% \cdots 114 \%) / 3=110 \%$.
- The seasonal adjustment is July/June $=114 \% / 110 \%=1.04$.

Therefore, traffic volumes in the month of July are 1.04 times greater than in Jube. To convert the June traffic data to the 30 HV :
$30 \mathrm{HV}=(\mathrm{June} \operatorname{PHV}) \times($ Peak Month Percent of ADT/Count Month Percent of ADT).
If one of the peak hour turning movement volumes was 75 vph in June, then the 30 HV for July would be $1.04 \times 75 \mathrm{vph}=78 \mathrm{vph}$.

Procedure for seasonal adjustment when 2 ATR's are within the project area:
Scenario \# 1: See Figure 1. In this scenario, the project area has two ATRs at each end. The project area ADT, roadway characteristics, and roadway functional class are the same as at both ATRs. In order to seasonally factor the peak hour volumes within the project area, an average of the two ATR seasonal factors recommended.


Senario \# 2: Scenario 2 has two ATRs on US20 (See Figure 2) within the project area at cach end. The roadways east of US97 have the same ADT and characteristics as ATR 2 while the west side has the same ADT and characteristics as ATR 1. With this scenario, each side of US97 should be seasonally factored using the ATR on that side.


Scenario \# 3: In this scenario one ATR is located on US20 and another on US97. If US20
within the project area has the same roadway characteristics as at ATR 1, the seasonal adjustment factor at ATR 1 should be used for US20. The same process should be applied for US97 if US97 has the same roadway characteristics as at ATR 2. Otherwise, an average of the seasonal factors from both ATRs should be applied for the project area. (See Figure 3).


## ATR Characteristic Table Method

The ATR Characteristic Table provides general characteristics for cach ATR in Oregon, and should be used when there is not an ATR on-site. The Characteristic Table is a filterable Excel table that will often provide more than one ATR with similar characteristics. See example in Table 4-2.

Averaging multiple ATRs with similar characteristics will yield a more appropriate factor than if only one ATR is used. Follow the steps described in the on-site ATR Method for averaging count and peak months over 5 years for each ATR with similar characteristics. The factor used to convert the traffic data to 30 HV s will be an average of these similar characteristic ATR factors. Seasonal Traffic Trend groupings for the table were constructed by plotting the monthly percent of AADT for each ATR. The plots were then grouped into trends with the greatest influence in traffic patterns.

Table 4-2 ATR Characteristic Table Example

| 2005 ATR Characteristic Table |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Seasonal <br> Traffic <br> Trend | Area <br> Type | \# of <br> Lanes | Weckly Traffic Trend | $\begin{gathered} 2005 \\ \text { AADT } \end{gathered}$ | OHP <br> Classification | ATR | County | Highway Route; Name, Location | MP | State Highway Number |
| $\begin{gathered} \text { Summer } \\ <2500 \end{gathered}$ | Rural | 2 | Weekday | 760 | District Highway | 01-001 | Baker | $\begin{aligned} & \text { US } 30, \\ & \text { La Grand } \end{aligned}$ | 33.20 | 66 |
| $\begin{gathered} \text { Summer } \\ <2500 \end{gathered}$ | Rural | 2 | Weekday | 220 | District Highway | 01-007 | Baker | OR 203, Medical | 36.36 | 340 |
| $\begin{gathered} \text { Summer } \\ <2500 \end{gathered}$ | Rural | 2 | Steady | 640 | District Highway | 01-010 | Baker | OR 86, Baker | 37.55 | 12 |

It is importanl to note that the trends provided in the table are not the only trends attributed to each ATR, but are the dominant trends. After the seasonal traffic trend characteristic is selected, other trend groupings, including area type (e.g., urban, ural), number of lanes and weekly traffic frends are broken down to provide more comparable sub-groupings.

ATRs are characterized by only one of eleven seasonal trends, described below and illustrated in Figure 4-2. Project areas should be characterized by these trends in the order listed below.

1 Interstate Urbanized: ATRs located on any section of urbanized (areas of population =50,000 ) interstatc. (Example: I-5, lowa Street - ATR $426-016$.)
2. Interstate Non-Urbanized: ATRs located on any non-urbanized interstate section. (Exannle: I-84, west of Troutdale - ATR \#26-001.)
3 Commuter: ATRs characterized by small seasonal changes in traffic patterns and commuting between city pairs. (Examplc: OR 22, West Salem Bridges - ATR $\ddagger 24$-014.) Note: Also for non-state streets in urbanized cities.
4. Coastal Destination: ATRs characterized by summer peaks tofor within larger coastal city destinations as well as favorable routes from the valley. Favorable routes for Coastal Destinations include: Salmon River Highway (OR 18), Corvallis-Newport Highway (US 20iOR 34), Alsea Highway (OR 34), and Florence-Eugene Higlnway (OR 126). (Example: OR 18, east or Valley Junction - ATR $427-001$.) Note: This grouping does not include the Sunset Highway.
5. Coastal Destination Route: ATRs characterized by high summer peaks on predominantly rural routes tofor between large coastal cities and coastal clestinations. Rural routes include. the Sumset Flighway (US 26) from the Wilson River Hxy. junction, Umpqua Highway (OR 38), and Redwood Highway (OR 199). (Example: US 101, south of Rockaway - ATR \#29001,)
6. Agriculture: ATRs characterized by peaking in the late summer and fatl harvest months, (Example: Kings Valley Highway - ATR \#02-005.)
7. Recreational Summer: ATRs characterized by high summer peaks in recreational areas. (Example: Craler Lake Llighway, south of Fort Klamath - ATR \#18-021.)
8. Recreational Summer/Winter: ATRs characterized by both summer and winter peaks in recreational areas. (Example: Timberline Highway - ATR \#03-008.)
9. Recreational Winter: ATRs , characterized by high winter peaks in recreational areas. (Example: Century Drive Highway, Mt. Bachelor - ATR H09-011.)

If the project area trend does not fall into Tronds 1 through 9 , cither Trend 10 or 11 should be used.
10. Summer: ATRs characterzed by a smaller summer increase in traffic paterns when comparel to Recreational Summer. (Example: US 26, sonth of Wam Springs - ATR \#16006.) Note: Also for non-state streets in mall cities.

11 Summer $<2,500$ ADT: ATRs with less than 2.500 ADT characterized by a smaller summer increase in traffic patems when compared to Recreational Summer. Could be used, for example, for many rural off-system county roads. (Example: OR 31, east of Silver Lake ATR \#19-010.)

Figure 4-2 Seasonal Trends


Alles are also characterized by weekly traffic trends and ADT.

- Weekday: Traffic volume trends greatest on weekdays; typical for commuter trend and urban areas.
- Weekend: Traffic volume trends greatest on weekends; typical for recreational trend and coastal destination trend.
- Steady: Traffic volume trends that are steady throughout the week withont significant peaks on the weekend or weekdays.

A'TRS are also characterized by area type and number of lanes.

- Urbanized: ATRs within areas of pupulation $>50,000$. (Examples: Portland and Salem) Urban Fringe: ATRs influenced by an urban area, such as an MPO area. (Example: Wilsonville)
- Small Urban: ATRs within areas of population between 5,000 and 49,999. (Examples: Albany and Pendleton)
- Small Urban Fringe: ATRs influenced by a small urban area. (Examples: US 101 south of Coos Bay aud $1-5$ north of Albany)
- Rural: ATRs on routes outside of areas with population $<5,000$.
- Rural Populated: ATRs in cities with a population of less than 5,000. This also includes unincorporated communities. (Examples: Sisters and Tillamook)

To use the table, filter through the column characteristics from left to right to create a list of ATRs with similar characteristics. Starting with the "Seasonal Traffic Trend" column, filter out the tuaffec trend that best describes the project arca. Noxt, filter the area type, number of lanes, and weekly traffic trend. Make sure tiat the section of highway where the ATR(s) is located and the project area for which the seasonal adjustunents are being made have similar traffic chatacteristics. To be considered comparable, the AADT of the characteristic ATR should be within $+:-10 \%$ of the Transportation Volume Table AADT for the project area.

## Example 4-2 Seasonal Factor - ATR Characteristics Table

ATR Characteristic Table Method for a Project Area
A count was taken June $15 \mathrm{th}^{-18 t h}$ along Corvallis-Lebanon Highway No. 210 (OR 34), west of I-5 at MP 5.35. The Transportation Volume Table AADT is $28,100$.

- Step 1: Transportation Volume Table: There are no ATRs on this section of the highway.
- Step 2: ATR Characteristic Table: "This secton of highway can be categorized as Commuter/Urban Fringe/Five-Lanes. Filtering through the ATR Characteristic Table from lell to nght, two ATRs have simlar characteristics to the project atea. However,

ATR 26-003 has an AADT of 39,100 and is an expressway. As previously noted, characteristic AADT counts should be within $+/-10 \%$ of the Transportation Volume Table AADT in order to be considered comparable to the project area. Alternatively, ATR 27-006 is not an expressway and has an AADT of 26,900 , which is within $10 \%$ of the TVT AADT. The characteristics of these two representative locations are summarized in Table 4-3.

Table 4-3 Example ATR Characteristic Table (Year 2003)

| Characteristics | ATR Location 1 | ATR Location 2 |
| :--- | :---: | :---: |
| Seasonal Traffic Trend | Commuter | Commuter |
| Area Type | Urban Fringe | Urban Fringe |
| Number of Lanes | 5 | 5 |
| Weekly Traffic Trend | Wcekday | Weekday |
| 2003 ADT | 39,100 | 26,900 |
| OHP Classification | Statewide Hwy <br> (Expressway) | Statewide Hwy |
| ATR | $26-003$ | $27-006$ |
| County | Multhomah | Polk |
| Highway Route, Name |  |  |
| and Location | OR 26, M. Hood Hwy, E of <br> Gresham | OR 22, Willamina-Salem Hwy |
| ATR Milepoint | 14.36 | Oak Knoll |
| State Hwy Number | 26 | 19.4 |

- Step 3: ATR Trend Summary: Data from ATR \#27-006 is localed in the ATR summary in the back of the TVT and under the "ATR Trend Summaries" on ODOT's Traffic Counter Program website TDD Transportation Data Traffic Counting Program. The count was taken on lune 15th, which is in the middle of the monith, so the ATR percentages from the TVT can be ensed directly without interpolation. The peak month was found to be August for two of the threc years. Because ATR \#27-006 is relatively new, the percentages were averaged over the existing three years (not the nornal five ycar historical data)2, as shown in Table 4-4.

Table 4-4 Seasonal Adjustment Using ATR \#27-006

|  | 2003 | 2002 | 2001 |
| :--- | :---: | :---: | :---: |
| Pcak Month (August) | $110 \%$ | $110 \%$ | $110 \%$ |
| Count Month (Iune) | $107 \%$ | $106 \%$ | $106 \%$ |

- The average peak month (August) is: $(110 \%+110 \%+110 \%)$ i $3=110 \%$.
- The average count month (June) is: $(107 \%+106 \%+106 \%) / 3=106 \%$.
- The seasonal adjustment is August $J$ une $=110 \% \% 106 \%=1.04$.

Therefore, traffic volumes in the month of August are 1.04 times greater than in June. To convert
the June traffic data to the $3011 \mathrm{~V}: 3011 \mathrm{~V}=$ (Junc P11V) $\times$ (Pcak Month Percent of ADT/Count Month Percent of ADT).
If one of the peak hour turning movement volumes were 100 vph in Junc, then the 30 LIV for August would be $1.04 \times 100 \mathrm{vph}=104 \mathrm{yph}$.

### 4.4.2 Seasonal Trend Method

The seasonal trend table is used when there is not an ATR nearby or in a representative area. The Seasonal Trend Table was constructed by averaging scasonal trend groupings from the ATR Characteristic Table. Essentially, by using a factor from the table, the average for the entire trend grouping is applied to the project area as shown in Table 4-5.

Table 4-5 Example ATR Seasonal Trend Table (Year 2003)

|  | Jan 1 | Jan 15 | Feb 1 | Fel 15 | Dec 15 | Pealk <br> Period <br> Seasonal <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Recrcation <br> Summer/Winter | 1.2349 | 1.2922 | 1.4023 | 1.5123 | 11776 | 0.8582 |
| Recreation <br> Winter | 0.9119 | 1.0561 | 1.0292 | 1.0023 | 0.7676 | 0.7676 |

To determine the appropriate seasonal trend, select from the list the trend that best describes the project area. Trends should be characterized in the same order as previously described in the ATR Characteristic Table Method. The Seasonal Factor Table is uplated yearly. It is not necessary to average 5 years worth of seasonal factors for this method, or compare AADTs because, as previously stated, this method uses an average of all ATRs in the characteristic trend. In certain areas, averaging seasonal trends may yield a more appropriate factor than just a single trend. These areas include:

- Coastal Destination and Coastal Destination Route Trends: It nay be necessary to average trends in areas such as Warrenton, Dcpoc Bay and Yachats. While these cities are destinations along the Oregon Coasi, they do not have the summer influx of traffic associated with larger coastal destinations such as Lincoln City and Seaside. A Coastal Destination Trend Factor for these areas may be wo high, while a Coastal Destination Route Trend Factor may be to low. When analyzing coastal cities such as these, it is appropriate to average the trends to yield a more reasouable factor.
- Summer and Commuter Trends: It may be necessary to average trends when analyzing mud-sized cities such as Philomath, Dallas and Sutherlin. For urbanized areas the commuter trend is appropriate, while for smaller areas the summer rend is appropriate. However, for mid-sized areas such as these, the summer or commuter trends may alone be too high or too low. A more reasonable factor would be obtaincd by averaging the
summer and commuter trends.
- Interstate and Interstate Urbanized Trends: It may be necessary to average trends when analyzing interstates in small urban and fringe areas (urban and small urban) such as Albany, Wilsonville and north of Roseburg. For rural areas the interstate trend is appropriate, while for urbanized areas the interstate urbanized trend is appropriate. For small urban and fringe areas such as these, however, these trends may alone be too high or too low. A more reasonable factor would be obtained by averaging the interstate and interstate urbanized trends.

It is important to note that these are the only trend grouping pairs that would be appropriate to average, with the exception of interchange ramps, which should usc art avcrage of the mainline and cross road seasonal adjustments. Interstate should only be averaged with interstate utbanized, and should never be averaged with Coastal or Recreational. The same is true for the other trends not listed in the above examples. The Seasonal Trend Table is located on the Transportation Analysis webpage of the TDD Planning website.

Factoring count data to the peak month requires dividing the seasonal factor for the count period by the seasonal factor for the peak period. The peak period scasonal factor for a traffic trend is the lowest value in the row, and is highlighted in the last column in the table.

Seasonal factors are given for the 1 st and the 15 ih of each month so if the count date is not at the beginning/end or m the moddle of a month interpolation is needed.

Example 4-3 Scasoual Factor - Scasonal Trend Table

Seasonal Trend Method for a Project Arca
A connt of 11,000 was taken July 1st - 5halong Oregon Coast Highway No. 9 (US 101) at MP 63.19 (north of Tillamook).

- Step 1: Transportation Volume Table: There are no ATRs on this section of the highway.
- Step 2: ATR Characteristic Table: This section of higlway can be categorized as Coastal Destination/Populated Runalf wo-Lanes. Fiftering through the ATR Characteristic Table, from len to right, two ATRs have similar characteristics to the project area. However, none of the characteristic ADT values are within $+1-10 \%$ of the Transportation Volume Table ADT for the project area. Refer to Table 4-6 for details regarding these two candidate locations.

Table 4-6 Example ATR Characteristic Table (Year 2003)

| Characteristics | ATR Location 1 | ATR Location 2 |
| :--- | :---: | :---: |
| Seasonal Traffic Trend | Coastal Destination | Coastal Destination |
| Area Type | Pop Rural | Pop Rural |
| Number of Lanes | 2 | 2 |
| Wcckly Traffic Trend | Weekday | Weekend |
| 2003 ADT | 6600 | 19500 |
| OHP Classification | Statewide Hwy-Scenic <br> Byway | Statewide Hwy (Expressway) |
| ATR | $26-003$ | $27-006$ |
| County | Multnomah | Polk |
| Highway Routc, Name |  |  |
| and Location | US 101, Oregon Coast Hwy; <br> S of Bandon | OR 18, Salmon River Hwy, E of <br> Valley Junction |
| ATR MP | 275.87 | 2376 |
| State Hwy Number | 9 | 39 |

- Step 3: Seasoual Trend Table: Since there are no ATRs with similar characteristics, the Seasonal Trend Table must be used. The correct values are obtained by following the "Coastal Destination" row to the "Jul_1" count month column, and to the "Peak Period Seasonal Factor" column at the end of the table, as summarized in Table 4- 7 .
Table 4-7 Seasonal Trend Table (Year 2003)

|  | Jum 15 | Jul 1 | Jul 15 | Aug 1 | Peak Period Seasonal |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Coastal <br> Destination | 0.9948 | 0.9546 | 0.8940 | 0.8334 | 0.8334 |

- The peak period scasoral factor is 0.8334 .
- The count date seasonal factor (July 1 st) is 0.9546 .
- The seasonal aljustment is: Comnt Date Seasonal Factor/Peak Perionl Scasonal Factor$.9546 / .8334=115$.

Therefore, the peak period volumes for a Coastal Destination are 1.15 times greater than volumes for the 1st - 5th of July.

To convert the July traffic data to the 30 HV :

$$
30 \mathrm{HV}=(\text { July PHV }) \times \text { (Count Date Seasonal Factor / Peak Period Seasonal Factor). }
$$

If one of the peak hour turning movement volumes were 100 vph in July, then the 30 IIV would be $1.15 \times 100 \mathrm{vph}-115 \mathrm{vph}$.

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Viento State Park - Exit 56


West Hood River - Exit 62

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Mosier - Exit 69


Mitchell Point Overlook - Exit 58

$10950=$
 $-41380$
$11010=$

East Hood River - Exit 64


Memaloose Rest Area - Exit 72, 73


Rowena - Exit 76


## INTERSTATE $\overline{84}$ INTERCHANGES AND REST AREAS


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The Dalles Dam - Exit 88
The Dalles Bridge - Exit 87
요


Biggs Jct. - Exit 104

$-6720$
$8110=$


Rufus - Exit 109
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MP 100.51

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| 1997 | 17689 | $\bigcirc 70$ | 16.1 | 24.0 | 12.6 | 22.9 |  | － |
| 1．99R | 18311 | 263 | $\pm 6.5$ | 24.1 | 12.9 | 22.3 | 10060 |  |
| 7997 | 19108 | 1.70 | 26.0 | 13.8 | 12.9 | 12.4 |  |  |
| 2000 | 10688 | 1\％0 | 15.3 | 13.7 | 12.6 | 122 | 4000 | S |
| 2 COl | 19681 | 168 | 16.8 | 13.9 | 12.9 | 22.5 |  | 紋 |
| 2602 | 1.9726 | 166 | 15.8 | 18.5 | 12.8 | 22.3 |  |  |
| 2003 | 19723 | 167 $+*$ | 16．1 | 14．5 | 13．1 | i2．5 |  | $\begin{array}{llllllllllll} & 95 & 96 & 97 & 98 & 99 & 00 & 07 & 12 & 03 & 04\end{array}$ |
| 2004 | 19.155 | ＊＊＊ | ＊＊＊ | ＊＊＊＊ | ＊＊＊＊ | ＊＊＊＊ |  |  |

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## Greenlight Engineering Letter Applicable Pages of February 6, 2009 Letter and Appendix

This Appendix section includes pages from the Greenhght Engineeting letter to 'The City of The Dalles (Attn: Richard Gassman) dated February 6, 2009.

It only includes pages $1,3,4,5$, and the first page of Appendix $A$.

February 6, 2009
City of the Dalles
Attn: Richard Gassman
313 Court Strect
The Dalles, OR 97058

## RE: $\quad$ Site Plan Review 379-08 Pacland - Wal-Mart Subdivision 62-08 Chenowith Station Subdivision

## Introduction

Greenlight Engineering has been retained by Ken Helm to conduct a review of the transportation related impacts of the proposed Wal-Mart to be located in The Dalles, Oregon.

Wc have completed an independent review of the September 2007 traffic impact study (TIS) and other rclated memorandums, reports and site plans available in the written record of the land use application as referenced herein. We have visited the site to collect field measurements, and we have conducted extensive research on the approval criteria for the project.

Based upon the materials available, it is clear that there is insufficient evidence for this project to be approved based upon roadway adequacy and safety issues. There is substantial evidence within the materials currently in the record as well as cridence that we provide herein that should result in a finding that the land use application is inadequate based on traffic safety and capacity issues. There are several errors and omissions of the TIS and land use application that clearly do not meet the requirements to approve the project and do not allow a reviewer to reach a conclusion that the approval criteria of this project are met.

## Executive Summary

- The analysis leaves very little room for error with two intersections, I-84 EB offramp/River Road and I-84 EB offramp $/ 6^{\text {l1/ }}$ Street both very close to ODOT's mobility standard in 2010. Multiple errors and omissions contained within the TIS will exacerbate the planned operations of these intersections and very likely require their mitigation.
- The trip generation of the TIS contains an obvious and indisputable mathematical error and invalidates the results of the study. The error downplays the impact of the development on all of the study intersections.
- The TIS is not based on the $30^{\text {li }}$ highest hour, as purported and required, but instead is based upon the $1171^{\text {st }}$ and $1223^{\text {rd }}$ highest hour of the year, a clear violation of ODOT analysis procedures. This error is carried through the analysis and vastly understates the traffic volume in the area of the development.

The TIS is based upon the Shopping Center trip generation characteristics of the ITE Trip Generation manual. Footnote 24 on page 12 of the TIS correctly reports the equation used in determining the weekday PM peak hour trip generation of a shopping center as follows:
$\operatorname{LnT}($ Trips $)=0.66 * \operatorname{Ln}(S Q F T)+3.40$
However, an error was made in this calculation in the TIS. The TIS reports that the development will generate 1116 trips in the weekday PM peak hour, however, based upon the equation quoted in the TIS, the development will actually generate 1176 trips in the weekday PM peak hour. Calculating this fairly simple equation would lead anyone to this conclusion.

The trip generation rate of 4.29 trips per 1000 square feet is backcalculated from the number of trips found in the equation and is also incorrect. The actual trip generation rate is 4.52 trips per 1000 square feet. These errors are fairly obvious, critical to the TIS, cannot be disputed and must be corrected.

## $30^{\text {th }}$ Highest Hour Not Evaluated as Reguired

Although purporting a $30^{\text {th }}$ highest hour analysis, as required by ODOT's Analysis Procedures Manual (APM) ${ }^{3}$, the TIS is actually based upon an hour staggeringly and exceedingly far from the $30^{\text {th }}$ highest hour, which invalidates the results of the traffic study.

The applicant's traffic engineer conducted their turning movement counts on Tucsday July 10, 2007. Based upon their review of traffic data collected from the Automatic Traffic Recorder (ATR) located on I-84 at Rowena, they determincd that a wcckday evening traffic count on the $2^{\text {nd }}$ Tuesday in July would result in portraying the $30^{\text {dh }}$ highest hour as required by ODOT'S $A P M$ and as referenced in the TIS ${ }^{4}$. In fact, the hours chosen to count represent a very poor choice in attempting to count anywhere near the $30^{\text {th }}$ highest hour.

The TIS states that the Rowena location "should bc a good representation of what traffic patterns are within the study area since $1-84$ is adjacent to the proposed site". The TIS makes the case, and we concur, that the Rowena $\triangle \Gamma R$ provides adequate information to determine the $30^{\text {th }}$ highest hour and is the best information that is available to delemine the count period in which to conduct turning movement counts.

The TIS also states that " $[\mathrm{t}]$ his count date is consistent with ODOT guidelines since they represent traffic volumes within the peak month" and refers to OAR 734-051. While we concur that the count month is appropriate, we do not concur that the count period is consistent with ODOT guidelincs just because it is within the appropriate month.

[^19]The code section that is referenced in the TIS does not remotely state that this is true. Certainly, any random set of hours within the month would not be expected to result in traffic near the $30^{\text {th }}$ highest hour as counts vary day to day and hour by hour.

Upon review of the 2007 ATR data ${ }^{5}$, the hours of $4 \mathrm{PM}-5 \mathrm{PM}$ and $5 \mathrm{PM}-6 \mathrm{PM}$ (the count hours used in the analysis of the TIS) on July 10,2007 werc the $1171^{\text {st }}$ and $1223^{\text {ril }}$ highest hours with volumes quite noticeably less than that of the actual $30^{\text {th }}$ highest hour. The $1171^{\text {st }}$ and $1223^{\text {rd }}$ hours had combined hourly flows on 1-84 of 1573 velicles and 1559 vehicles, respectively. The $30^{\text {th }}$ highest hour, which occurred on Sunday, July 29, 2007, had a combined hourly flow of 2513 vehicles. Obviously, the difference between the flows of the $30^{\text {th }}, 1171^{\text {st }}, 1223^{\text {rit }}$ highest hours are quite staggering and have immense ramifications upon the results of the TIS. The lack of congruence between the required analysis and submitted amalysis completely mvalidate the results of the TIS.

While it is understandable that attempting to predict the $30^{\text {d1 }}$ highest hour when conducting turning movement counts can be a challenge and takes some research, the applicant's traffic engineer picked a count period that is simply not justifiable. Based upon historical data preceding 2007, it would not he expected that the count data chosen would even remotely relate to the $30^{41}$ highest hour.

First, the vast majority of the highest peak hours during each year occur on weekends. This is typical on $\mathrm{l}-84$ as well as most other secreational routes as noted in Figure 4-1 and in several other locations within the $A P M$. Peak hours do not occur in this area durng the weekday PM peak hours as they do within large urban areas. ODOT methodology recognizes this lact and requires analysis to be based upon the carefilf research and planning to count near the $30^{\text {ih }}$ highest hour. Coincidentally, the peak hour of the proposed development will also occur on weekends and not during the weekday PM peak hour, as is discussed later.

Second, the choice of Tuesday as a count day is not an appropriate choice when estimating the $30^{1 / 2}$ highest hour. The highest peak hour occurting on a Tuesday throughout the year was on July $3^{\text {rd }}$ 'This Tuesday contained only the $298^{\text {/" }}$ highest hour of the year, still nowhere near the $30^{\text {th }}$ highest hour.

It could be argued that it is difficult to detemine the $30^{111}$ highest hour for counts to be taken 2007 without having 2007 data at hand. Instead, those determining the $30^{\text {l/ }}$ highest hour must rely upon the previous years' ATR data. In the review of the 2006 ATR data ${ }^{6}$, it is clear that the similar patterns that occurred in 2007 also occurred in 2006. In reviewing this datia, it is quite clcar that the date chosen for turning movement counts was not appropriate and would not yield results that even closely resemble the actual $30^{112}$ highest hour.

Based upon the 2006 data, the $30^{\text {thi }}$ highest hour occurred on Saturday, November $25^{\text {th }}$ The highest hour of the $2^{\text {nd }}$ Tuesday in July 2006 was only the $853^{\text {rd }}$ highest hour of that

[^20]year ${ }^{?}$. If the 2006 data would have been consulted, it would have been determined that the count date of July 10, 2007 would not yield the required results of ODOT's APM.

It should be noted that the TIS is based upon counts of I-84 when the hourly volume is roughly $60 \%$ of the actual $30^{\mathrm{th}}$ highest hour volume, or $40 \%$ less than the aetual $30^{\text {th }}$ highest hour. This, by far, stretches well beyond the $10 \%$ threshold required by ODOT's Analysis Procedures Mantual Figure 4-1 shown below, which at minimuna, would require the turning movement counts to be adjusted to the $30^{\text {th }}$ highest hour. The use of unadjusted raw traffic counts, as was done in the TIS, is completely inappropriate and do not follow the procedures of the $A P M$ as purported.

The reason the selection of the $1171^{\text {st }}$ and $1223^{\text {rd }}$ highest hours being passed off as the $30^{\text {th }}$ highest hour is critical for one key reason. The traffic flows within the area are lower during the $1171^{34}$ and $1223^{\text {rd }}$ highest hour than they are in the $30^{11}$ highest hour. The TIS, based upon an analysis far from the $30^{\text {th }}$ highest hour, indicates that the I-84 EB offramp/River Road intersection will operate at a v/e ratio of 0.72 , just 0.03 under ODOT's $0.75 \mathrm{v} / \mathrm{c}$ mobility standard. It is highly likely, if not a foregone conclusion, that this intersection will operate beyond the required w/c ratio of 0.75 if the TIS was based upon the required analysis procedures.

Because of this error, the results that indicate the need for mitigation based upon the City's level of service and ODOT's $v / \mathrm{c}$ do not match the required analysis parameters. Not only do they not match the required parameters, but they do not even remotely mateli them. For this reason alone, the application cannot be approved because the traffic study's tralfic counts so far underestimate the volume of traffic that will be present during the actual $30^{\text {th }}$ highest hour that the TIS is vastly flawed and unreliable.

[^21]2007 Automatic Traffic Recorder (ATR) Data, Station 33-001 Rowena

| Highest Hour | Month | Date | Day | EB Volume | WB Volume | Combined Volume | Hour | Notes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| - 1 | 11 | 25 | SUN | 1395 | 1791 | 3186 | 15 |  |
| 2 | 11 | 25 | SUN | 1198 | 1859 | 3057 | 16 |  |
| 3 | 9 | 3 | MON | 1160 | 1767 | 2927 | 15 |  |
| 4 | 11 | 21 | WED | 1373 | 1517 | 2890 | 15 |  |
| 5 | 11 | 25 | SUN | 1437 | 1445 | 2882 | 14 |  |
| 6 | 5 | 28 | MON | 981 | 1867 | 2848 | 16 |  |
| 7 | 9 | 3 | MON | 1132 | 1700 | 2832 | 14 |  |
| 8 | 9 | 3 | MON | 1069 | 1746 | 2815 | 16 |  |
| 9 | 11 | 21 | WED | 1293 | 1488 | 2781 | 16 |  |
| 10 | 5 | 28 | MON | 912 | 1859 | 2771 | 15 |  |
| 11 | 8 | 12 | SUN | 1159 | 1604 | 2763 | 16 |  |
| 12 | 11 | 25 | SUN | 1044 | 1684 | 2728 | 17 |  |
| 13 | 5 | 28 | MON | 990 | 1695 | 2685 | 14 |  |
| 14 | 9 | 3 | MON | 1019 | 1660 | 2679 | 17 |  |
| 15 | 8 | 31 | FRI | 1473 | 1178 | 2651 | 16 |  |
| 16 | 11 | 25 | SUN | 1453 | 1194 | 2647 | 13 |  |
| 17 | 5 | 28 | MON | 887 | 1727 | 2614 | 17 |  |
| 18 | 11 | 21 | WED | 1247 | 1345 | 2592 | 17 |  |
| 19 | 7 | 29 | SUN | 1185 | 1392 | 2577 | 15 |  |
| 20 | 9 | 3 | MON | 1103 | 1466 | 2569 | 13 |  |
| 21 | 8 | 5 | SUN | 1140 | 1428 | 2568 | 16 |  |
| 22 | 8 | 12 | SUN | 1203 | 1365 | 2568 | 15 |  |
| 23 | 8 | 31 | FRI | 1423 | 1134 | 2557 | 15 |  |
| 24 | 8 | 12 | SUN | 1299 | 1239 | 2538 | 14 |  |
| 25 | 11 | 21 | WED | 1210 | 1322 | 2532 | 14 |  |
| 26 | 8 | 5 | SUN | 1105 | 1419 | 2524 | 15 |  |
| 27 | 8 | 26 | SUN | 1166 | 1353 | 2519 | 16 |  |
| 28 | 7 | 29 | SUN | 1241 | 1276 | 2517 | 14 |  |
| 29 | 7 | 22 | SUN | 1098 | 1415 | 2513 | 16 |  |
| 30 | 7 | 29 | SUN | 1106 | 1407 | 2513 | 16 | 30th Highest Hour 3-4 PM |
| 31 | 7 | 8 | SUN | 1082 | 1428 | 2510 | 15 |  |
| 32 | 8 | 31 | FRI | 1406 | 1096 | 2502 | 14 |  |
| 33 | 7 | 8 | SUN | 1067 | 1419 | 2486 | 16 |  |
| 34 | 11 | 21 | WED | 1181 | 1305 | 2486 | 18 |  |
| 35 | 8 | 19 | SUN | 1121 | 1361 | 2482 | 15 |  |
| 36 | 8 | 5 | SUN | 1157 | 1323 | 2480 | 14 |  |
| 37 | 7 | 20 | FRI | 1211 | 1260 | 2471 | 16 |  |
| 38 | 8 | 31 | FRI | 1367 | 1095 | 2462 | 17 |  |
| 39 | 8 | 12 | SUN | 988 | 1472 | 2460 | 17 |  |
| 40 | 8 | 10 | FRI | 1182 | 1271 | 2453 | 16 |  |
| 41 | 7 | 22 | SUN | 1112 | 1338 | 2450 | 15 |  |
| 42 | 8 | 19 | SUN | 1153 | 1295 | 2448 | 14 |  |
| 43 | 8 | 19 | SUN | 1086 | 1361 | 2447 | 16 |  |
| 44 | 5 | 25 | FRI | 1428 | 1014 | 2442 | 18 |  |
| 45 | 7 | 8 | SUN | 1110 | 1329 | 2439 | 14 |  |
| 46 | 9 | 16 | SUN | 1019 | 1419 | 2438 | 15 |  |
| 47 | 9 | 16 | SUN | 1079 | 1358 | 2437 | 14 |  |
| 48 | 12 | 26 | WED | 1166 | 1271 | 2437 | 14 |  |
| 49 | 8 | 19 | SUN | 959 | 1477 | 2436 | 17 |  |
| 50 | 5 | 25 | FRI | 1467 | 964 | 2431 | 17 |  |
| 51 | 5 | 25 | FRI | 1409 | 1018 | 2427 | 16 |  |
| 52 | 8 | 3 | FRI | 1219 | 1200 | 2419 | 16 |  |
| 53 | 8 | 26 | SUN | 1153 | 1265 | 2418 | 15 |  |
| 54 | 8 | 12 | SUN | 1186 | 1229 | 2415 | 13 |  |
| 55 | 7 | 15 | SUN | 1090 | 1323 | 2413 | 16 |  |
| 56 | 7 | 29 | SUN | 1071 | 1339 | 2410 | 17 |  |
| 57 | 7 |  | SUN | 996 | 1412 | 2408 | 17 |  |
| 58 | 8 | 31 | FRI | 1327 | 1081 | 2408 | 18 |  |



| LOCATION: I-84 EB/SB Ramp -- Chenoweth Rd CITYISTATE: The Dalles, OR |  |  |  |  |  |  |  |  |  |  |  |  |  |  | QAT | $\begin{array}{r} 104 \\ 125 / 2 \\ \hline \end{array}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | eak-H <br> ak 15 | ur: Min: | $\begin{aligned} & 40 \mathrm{~F} \\ & : 05 \end{aligned}$ | $M-2$ |  |  |  | 5.3 <br> 5.6 |  |  |  |
| 5-Min Count <br> Period <br> Beginning At | $\begin{aligned} & \text { 1.84 EB/SB Ramp } \\ & \text { (Narthbound) } \end{aligned}$ |  |  |  | 1-84 EB/SB Ramp (Southbound) |  |  |  | Chenoweth Rd (Eastbouncl) |  |  |  | Chenoweth Rd (Westbound) |  |  | Total | Hourly Totals |
| 1:10PM | 0 | O | 0 | 0 | 8 | 0 | 16 | 0 | 0 | 19 | 5 | 0 | [ | ¢ | 0 | 35 |  |
| 1:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 9 | 1 | 0 | 1 | 5 | 0 | 33 |  |
| 1:20 PM | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 10 | 1 | 0 | 0 | 7 | 0 | 41 |  |
| 1:25 PM | 0 | 0 | 0 | 0 | 1 | 0 | 13 | 0 | 0 | 15 | 4 | 0 | 0 | 3 | 0 | 36 |  |
| 1:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 10 | 3 | 0 | 1 | 3 | 0 | 24 |  |
| 135 PM | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 0 | 0 | 7 | 4 | 0 | 0 | 6 | 0 | 26 |  |
| $1{ }^{1 / 409}$ | 0. | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 13 | 6 | 0 | 2 | 4 | 0 | 40 |  |
| 1,45 PM | 0. | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 17 | 5 | 0 | 0 | 5 | 0 | 39 |  |
| 1.50 PM | 0. | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 11 | 4 | 0 | 0 | 4 | 0 | 38 |  |
| 1:55 PM | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 9 | 4 | 0 | 0 | 4 | 0 | 27 | 419 |
| 2:00 PM | 0 | 0 | 0 | 0 | 1 | 1 | 20 | 0 | 0 | 8 | 3 | 0 | 2 | 2 | 0 | 38 | 404 |
| 2.05 PM | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 16 | 7 | 0 | 0 | 2 | 0 | 42 | 417 |
| 2:10 PM | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 13 | 7 | 0 | 0 | 3 | 0 | 38 | 420 |
| 2.15 PM | 0 | 0 | 0 | 0. | 0. | 0 | 12 | 0 | 0 | 18 | 2 | 0 | 0. | 10 | 0 | 42 | 429 |
| 2:20 PM | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 5 | 5 | 0 | 1 | 4 | 0 | 28 | 416 |
| 2:25 PM | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 14 | 2 | 0 | 1 | 5 | 0 | 35 | 115 |
| 2:30 PM | 0 | 0 | 0 | 0 | 1 | 0 | 17 | 0 | 0 | 8 | 5. | 0 | 1 | 4 | 0 | 36 | 427 |
| $2: 35 \mathrm{PM}$ | 0 | 0 | 0 | 0 | 2 | 0 | 12 | 0 | 0 | 14. | 2 | 0 | $a$ | 5 | 0 | 35 | 438 |
| 2:40 PN | 0 | 0 | 0 | 0 | 1 | 0 | 13 | 0 | 0 | 8 | 4 | 0 | 1 | 4 | 0 | 31 | 427 |
| 2;45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 15 | 1 | 0 | 1 | 2 | 0 | 30 | 418 |
| 2:50 PM | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 14 | 4 | 0 | 0 | 12 | 0 | 40 | 420 |
| 2:55 PM | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 7 | 2 | 0 | 0 | 4 | 0 | 26 | 419 |
| 3:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 6 | 5 | 0 | 1 | 6 | 0 | 29 | 412 |
| 3.05 PM | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 13 | 2 | 0 | 0 | 5 | 0 | 38 | 408 |
| Peak 15-Min <br> Flowiates | Narthbound |  |  |  | Southbound |  |  |  | Eastbound |  |  |  | Westbound |  |  |  |  |
|  | Left | Thru | Right | U | Left | Thru | Right | U | Leff | Thry | Right | U | Left | Thru | Right |  |  |
| Alvehicles <br> Heavy Trucks Pedestrians Bicycles Railroad Sitopped Buses | 0 | $\begin{aligned} & 0 \\ & 0 \\ & 0 \end{aligned}$ | $0$ | 0 | 0 | $\begin{aligned} & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{r} 176 \\ 16 \end{array}$ | 0 | 0 | 188 4 0 | 6.4 | 0 | 0 | $\begin{array}{r} 60 \\ 8 \\ 0 \end{array}$ | 0 |  |  |
| Cormments: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



## Seasonal Adjustment Factor Calculations

| 2009 SEASONAL TREND TABLE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1-Jan | 15-Jan | 1 fab | 15F.b | 1-Mar | 154me | 1Apr | 15-Apr | 1-4ay | 15-N3y | 1 1Jun | 15-Jun | 1.Jul | 15, Jul | 1Aup | 15-Aus | 1 sep | 15-80p | 1-oct | 15.00 | 25-0et | 1-Nov | 15.4ov | 1-0ac | 15-0.5 |  |
| interstate urbanizeo | 1.082 | 1.000 | 0.964 | 0.928 | 0.925 | 0.922 | 0.917 | 0.913 | 0.919 | 0.925 | 0.914 | 0.903 | 0.898 | 0.894 | 0.896 | 0.898 | 0.917 | 0.935 | 0.933 | 0.931 | 0.944 | 0.953 | 0.974 | 1.089 | 1.165 | 0.8943 |
| Interstate nonurbanzed | 1.270 | 1.234 | 1.176 | 1.117 | 1.069 | 1.022 | 1.028 | 1.033 | 1.008 | 0.983 | 0.956 | 0.929 | 0.898 | zsm | 0.869 | 0.872 | 0.918 | 0.963 | 9.990 | 1.017 | 1.024 | 1.029 | 1.042 | 1.173 | 1.305 | 0.8661 |
| COMMUTER | 1.884 | 1.033 | 0.989 | 0.945 | 0.943 | 0.942 | 0.591 | 0.920 | 0.9:8 | 0.917 | 0.814 | 0.910 | 0.904 | 二.en | 0.905 | 0.911 | 0.920 | 0.930 | a.828 | 0.927 | 0.94T | 0.852 | 0.977 | 1.056 | 1.135 | 0.888 |
| coastal oestina ton | 1.240 | 1.198 | 1.142 | 1.085 | 1.067 | 1.049 | 1.060 | 1.071 | 1.043 | 1.015 | 0.988 | 0.961 | 0.902 | 0.842 | 0.844 | 0.845 | 0.889 | 0.933 | Q.987 | 1.041 | 1.071 | 1.092 | 1.143 | 1.213 | 1.283 | 0.8424 |
| COASTAL OESTINA TION ROUTE | 1.518 | 1.453 | 1.363 | 1.271 | 1.227 | 1.183 | 1,197 | 1.211 | 1.139 | 1.065 | 1.021 | 0.978 | 0.895 | 0.813 | 0.805 | 0.797 | 0.868 | 0.934 | 1.032 | 1.130 | 1.165 | 1.190 | 1.251 | 1.417 | 1.583 | 0.7974 |
| Agriculture | 1.998 | 1.178 | 1.108 | 1.038 | 1.027 | 1.017 | 0.996 | 0.975 | 0.955 | 0.935 | 0.928 | 0.921 | 0.901 | 0.882 | 0.890 | 0.898 | 0.903 | 0.908 | 0.825 | 0.942 | 0.960 | 0.972 | 1.001 | 1.108 | 1.217 | 0.8821 |
| RECREA TONAL SUMMER | 1.826 | 1.851 | 1.788 | 1.724 | 1.579 | 1.433 | 1.415 | 1.387 | 1.221 | 4.045 | 0,976 | 0.906 | 0.829 | 0.751 | 0.760 | 0.769 | 0.973 | 0.977 | 1,068 | 1.160 | 1.219 | 1.261 | 1.353 | 1.582 | 1.800 | 0.7506 |
| RECREATIONAL SUMMER WINTER | 1.381 | 1.158 | 1.258 | 1.358 | 1.353 | 1.348 | 1.551 | 1.753 | 1.596 | 1.658 | 1.408 | 1.179 | 1.035 | 0.590 | 0.893 | 0.905 | 1,054 | 1.202 | 1.438 | 1.673 | 1.779 | 1.054 | 2.035 | 1.820 | 1.605 | 0.8897 |
| RECREATIONAL WINTER | 1.848 | 0.843 | 0.933 | 1.018 | 1.038 | 1.058 | 1.311 | 1.563 | 2199 | 2.035 | 2.321 | 1.807 | 1.504 | 1.200 | 1.193 | 1.186 | 1.275 | 1,364 | 1.549 | 1.734 | 2124 | 2.597 | 3.058 | 2.958 | 2852 | 0.8427 |
| SUMMER | 1.246 | 1.237 | 1.168 | 1.102 | 1.072 | 1.043 | 1.028 | 1.013 | 0.976 | 0.838 | 0.811 | 0.885 | 0.860 | 0.125 | 0.843 | 0.851 | 0.886 | 0.921 | 0.846 | 0.971 | 1.000 | 1.021 | 1.071 | 1.183 | 1.255 | 0.8345 |
| SUMMER < 2500 | 1.356 | 1.408 | 1.334 | 1.250 | 4.193 | 1.125 | 1.087 | 1.050 | 0.985 | 0.921 | 0.891 | 0.861 | 0.838 | 0.817 | 0.820 | 0.823 | 0.822 | 0.820 | 0.851 | 0.502 | 0.941 | 0.960 | 1.035 | 1.168 | 1.304 | 0.8185 |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Aver | race lor | 25.00 | 0.071 |  |  |  | $1.12$ |  |

## TRAFFIC LEVELS OF SERVICE

Analysis of traffic volumes is useful in understanding the general nature of traffic in an area, but by itself indicates veither the ability of the street network to carry additional traffic nor the quality of service afforded by the street facilities. For this, the concept of level of service has been developed to subjectively describe traffic performance. T.evel of service can be measured at intersections and along key roadway segments.

Level of service categories are similar to report cand ratings for traffic performance. Intersections are typically the controlling bottlenecks of traffic flow and the ability of a roadway system to carry traffic efficiently is gencrally diminished in their vicinitics. Levels of Scrvice $\mathrm{A}, \mathrm{B}$ and C indicate conditions where traffic moves without significant delays over periods of peak travel demand. Level of service $D$ and F are progressively worse peak hour operating conditions and $F$ conditions represent where demand exceeds the capacity of an intersection. Most urban communities set level of service $D$ as the minimum acceptable leyel of service for peak hour operation and plan for level of service C or better for all other times of the day. The Highway Capacity Marual provides level of service calculation methodology for both intersections and arterials.' The following two sections provide interpretations of the analysis approaches.

[^22]
## UNSIGNALIZIED INTERSECTIONS (Two-Way Stop Controlled)

Uusignalized intergevtion level of service is reported for the major street and minor street (gencrally, left lutt movements). The method assesses available and critical gaps in the traffic stream which make it possible for side street traffic to enter the main street flow. The 2000 Ifighway Capacity Manual describes the detailed methodology. It is not unusual for an intersection to experience level of service E or F conditions for the minor street left turn movement. It should be understood that, often, a poor level of service is experienced by only a few vehicles and the intersection as a whole operates acceptably.

Unsignalized intersection levels of service are described in the following table.


## SIGNALIZED INTERSECTIONS

For signalized intersections, level of servicc is cvaluated based upon average vehicle delay experienced by vehicles entering an intersection. Control delay (or signal delay) includes initial deceleration delay, qucue move-up time, stopped delay, and final acceleration delay. In previous versions of this chapter of the HCM (1994 and earlier), delay included only stopped delay. As delay increases, the level of service decreases. Calculations for signalized and unsignalized intersections are different due to the variation in araffic control. The 2000 IIighway Capacity Manual provides the basis for these calculations.

| Lsuel or Serviec | nciay (isecs.) | Desectiption |
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| A | $\leq 10,00$ |  <br>  moss wehicles amve duriug the green plase. |
| 13 | 10.1-21:.6 |  <br>  stom cyele lemaghe or boilh. |
| C | 20.1-35.6 |  <br>  failnces may begin so appen' at this level, and the number of velicles stoppins is signilicant. |
| I) | 35.1-55.0 | Appruashing Unstablef Toleratale Belays: The ir:lucnce of congention hecomes mave moticeable. <br>  some sombinatien of unfavoralse pregressian. Iong cyele lengets, or high v/e ratios. The preparion of veloioles now stepping declines, ard individuat eyele áaluws ane soticeable. |
| $\pm$ | 55.1-80.0 |  <br>  poor progession. loug cycle lengiths, and high w/e ratios. Individual cycte fiilines ane a frequent कemurenc. |
| F | 080.0 |  <br>  <br>  contitisule to these high delay levels. |

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|  | \％$i_{5}$ | 252 | 25 | 55 | ； | \％ | ， | \％ | －1\％ | \％ | 1 |
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CITY of THE DALLES
$\left[\begin{array}{l}\text { FAX (544) 296-6906 }\end{array}\right.$

# AGENDA STAFF REPORT <br> CITY OF THE DALLES 

| MEETING DATE | AGENDA LOCATION | AGENDA REPORT \# |
| :---: | :---: | :---: |
| December 14,2009 | Action Items | $09-091$ |
|  | $12, \mathrm{~A}$ |  |

TO: Honorable Mayor and City Council
FROM: Katc Mast, Finance Director
THRU: Nolan Young, City Manager iney
DATE: November 25, 2009
ISSUES: Resolution No. 09-037 Adopting a Supplemental Budget for Fiscal Year 2009i2010, Making Appropriations and Authorizing Expenditures from and within the General Fund (001), the Sewer Special Reserve Fund (056), the Capital Projects Fund (037), and the Special Grants Fund (018).

BACKGROUND: During the budget process each year staff estimates conservatively for beginning balances or rollovers for each fund for the next year. When the actual beginning balances are known upon the completion of the audit, it is usual for those to be higher than the cstimates. As the current fiscal year progresses, items are identified that were not included in the original budgets that require allocations during the year. This proposed supplemental budget uses a portion of the additional beginning balances as resources to allocate for these newly identified items as follows:

General Fund (001) - use of additional beginning balance $=\$ 10,567$ for:

- Staff recently discovered that three (3) Sewer SCD payments $(\$ 5,367)$ were received in FY07/08 that were incorrectly posted to the General Fund. In order to properly account for those SDC payments, which are restricted funds, they must be transferred into the Sewer Special Reserve Fund (053).
- Council authorized an extension of the temporary position "Management Intern" through December 31, 2009, so additional funds $(\$ 5,200)$ must be allocated for wages and taxes for that position in the General Fund (001).

Capital Projects Fund (037) - use of additional beginning balance $=\$ 13,675$ for

- Payment of the Standard \& Poor's bill $(\$ 8,625)$ for review of the City's rating of $A A$ for the 2009 FFCO Bond.
- Payment of Jeff Tashman bills (total $\$ 5,050$ ) for development and publishing of his analysis and report on the Urban Renewal financial projections for 2009 FFCO Bond.

Other items included in this proposed supplemental budget are:

- The Scwer Reserve Fund (056) must receive the SDC funds (\$5,367) from the General Fund and allocate them to the Capital Outlay category.
- Staff recently leamed that an Orcgon Commission on IIistoric Cemeteries (OCHC) grant for $\$ 1,000$ has been awarded for the entry way and fencing of the cemetery, which should be received and allocated in the Special Grants Fund (018).

Orcgon Budget Law recognizes that such changes in needs and expectations are inevitable and allows for the use of supplemental budgets to make these changes during a fiscal year.

BUDGET IMPLICATIONS: This supplemental budget adds $\$ 10,567$ to the General Fund, $\$ 5,367$ to the Sewer Special Rescrve Fund, $\$ 13,675$ to the Capital Projects Fund, and SI,000 to the Special Grants Fund, for a total addition to the City budget of $\$ 30,609$.

PUBLIC NOTICE REQUIRED: Oregon Budget Law rcquircs that a Public Hearing be held before adopting any supplemental budget that exceeds ten percent ( $10 \%$ ) of the receiving fund. A Public Hearing is not required for this proposed supplemental budget as the changes within cach fund are less than $10 \%$. However, a Public Notice is required to be published for any Supplemental Budget, and notice for this proposed Supplemental Budget will be published in The Dalles Chronicle on Sunday, December 5, 2009.

## AITERNATIVES:

A. Staff Recommendation: Move to adopt Resolution No. 09-037 Adopting a Supplemental Budget for Fiscal Year 2009/2010, Making Appropriations and Authorizing Expenditures from and within the General Fund (001), the Sewer Special Reserve Fund (050), the Capital Projects Fund (037), and the Special Grants Fund (018).
B. Decline to approve the proposed Resolution.

# A RESOLUTION ADOPTING A SUPPLEMENTAL BUDGET FOR FISCAL YEAR 2009/2010, MAKING APPROPRIATIONS AND AUTHORIZING EXPENDITURES FROM AND WITHIN THE GENERAI, FUND (001), THE SEWER SPEClAL RESERVE FUND (056), THE CAPITAL PROJECTS FUND (037), AND THE SPECIAI, GRANTS FLND (018) 

WHEREAS, several of the City's funds realized larger beginning balance rollovers from the prior year in FY09/10; and

WHERLAS, the City wishes to allocate some of those additional beginning balance monies to the following uses:

1) transfer three Sewer SDC payments received in FY07/08 and posted incorrectly to the General Fund to the Sewer Reserve Fund (056) = Total \$5,367.00;
2) extend the Management Intern position from two months, from October 31 through December 31, 2009 - Total $\$ 5,200.00$;
3) allocate monies in Fund 037 to pay for the Standard \& Poor's rating review ( $\$ 8,625.00$ ) and the Urban Rencwal analysis by Jeff Tashman $(\$ 5,050.00)$ associated with the 2009 FFCO bond sale $=$ Total \$13,675,00.

WHEREAS, additional state funds in the amount of $\$ 1,000$ have been awarded to the City in the form of an Oregon Commission on Historic Cemeterics (OCHC); and

WHEREAS, a supplemental budget is required in order for the City to allocate and expend those funds in FY09/10; and

WHEREAS, a public hearing is not required by Oregon Budgel Law since the totals of this supplemental budget within each fund do not exceed ten percent ( $10 \%$ ) of the receiving funds;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL AS FOLLOWS:
Section 1. The City Council hereby adopts the following Supplemental Budget for $\mathrm{FY}(09 / 10$, increasing revenues and making appropriations as shown below.

| Summary of Supplemental Budget |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Fund | Resource | Annomat | Requirement | $\begin{gathered} \text { Amoun } \\ t \end{gathered}$ |
| General Fund (001) | Additional Beginning Balance | 10,567 | City Manager Dcpt <br> Management Interm | 5,200 |
|  |  |  | Interfund Transfer Sewer SDC's from 2007 | 5,367 |
| Sewer Reserve Fund $(056)$ | Receipt of Sewer SCD's from General | 5,367 | Capital Outlay | 5,367 |


| Capital Projects Fund <br> (037) | Additional Beginning <br> Balance | 13,675 | Materials \& Services <br> Fast Port LID Dept | 13,675 |
| :--- | :--- | ---: | ---: | ---: |
| Special Grants Fund (018) | OCHC State Grant <br> Award | 1,000 | Materials \& Services- <br> Cemelery entranceifence | 1,000 |
|  | Total Resources | $\mathbf{3 0 , 6 0 9}$ | Total Requirements | $\mathbf{3 0 , 6 0 9}$ |


| Summary of Supplemental Budget - Total Changes to Fund Budgets |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Fund | Category | Original Budget | Change | Amended Budget |
| Gencral Fiund (001) | City Manager Depl | 275,284 | 5,200 | 280,484 |
|  | Interfund Transfers | 113:806 | 5,367 | 119.173 |
|  | Fund 001 Totals | 389,090 | 10,567 | 399,657 |
| Sewer Reserve Fund $(056)$ | Capital Outlay | 1,765,213 | 5,367 | 1,770,580 |
| Capital Proiccts Fund $(037)$ | Capital Outlay | 3,307,413 | 13,675 | 3,321,088 |
| Special Grants Fund (018) | Materials \& Scrvices | 508,000 | 1,000 | 509,000 |
|  | Total All Funds | 5,969,716 | 30,609 | 6,000,325 |

Section 2. This Resolution shall become effective upon adoptions by the City Council and shall remain in effect until receipt and acceptance of the FY09/10 audit report.

PASSED AND ADOPTED THIS 14th DAY OF DGCCEMBER, 2009
Voting Yes, Councilors:
Voting No, Councilors:
Absent, Councilors:
Abstaining, Councilors:
AND APPROVED BY THE MAYOR THIS 14th DAY OF DECEMBER, 2009

SIGNED:

Nikki L. Lesich, Mayor

ATTEST:

Julie Krueger, MMC, City Clerk

CITY of THE DALLES
313 COURT STREET
THE BALES, OREGON 97058

# AGENDA STAFF REPORT <br> CITY OF THE DALES 

| MEETING DATE | AGENDA LOCATION | AGENDA REPORT \# |
| :---: | :---: | :---: |
| December 14, 2009 | Action Items | $09-092$ |
|  | $12, \mathrm{~B}$ |  |

TO: $\quad$ Honorable Mayor and City Council
FROM: Kate Mast, Finance Director
THRU: Nolan K. Young, City Manager
DATE: November 25, 2009


ISSUE: Resolution No. 09-038 Authorizing Transfers of Budget Funds between Departments and Categories of the Sewer Reserve Fund (053) for the Fiscal Year Ending June 30, 2010.

BACKGROUND: The original budget for Fund 53 was adopted with the anticipated $\$ 6,000,000$ in revenues from the stimulus funds and a corresponding expense in the Capital Outlay category. Staff has since learned that these funds are required to be accounted for in a separate department from other monies in the fund. This resolution creates a separate Terminal Reservoir Department and reallocates the ARRA funds to that new Department. It also separates the revenue line items for the grant and loan portions of the ARRA funds to be received.

BUDGET IMPLICATIONS: Resolution No. 09-038 does not change the total amount of the budget in the affected fund. It only reallocates previously budgeted amounts within Fund 053.

## ALTERNATIVES:

A. Staff Recommendation: Move to adopt Resolution No. 09-038 Authorizing Transfers of Budget Funds between Departments and Categories of the Sewer Reserve Fund (053) for the Fiscal Year Ending June 30, 2010.
B. Decline to adopt the proposed Resolution and leave the original budget allocations as they are. This may cause a non-compliance issue for the City that would result in requiring repayment of the grant/forgivable loan portion of the ARRA funds.

# A RESOLUTION AUTHORIZING TRANSFERS OF BUDGET FUNDS <br> BETWEEN DEPARTMENTS AND CATEGORIES OF THE SEWER <br> RESERVE FUND (053) FOR THE FISCAL YEAR ENDING JUNE 30, 2010 


#### Abstract

WIIEREAS, the City has been awarded American Recovery and Reinvestment Acl (ARRA) federal stimulus funds for the Termmal Reservoir Project: and

WHEREAS, in anticipation of those funds the City originally budgeted to recenve and expend those monies in the general Capital Outlay category of the Water Capital Reserve Fund 053; and


WHEREAS, it is required that those funds be accounted for in a separate department from other expenditures within the receiving fund; and

WHEREAS, Orcgon Budget Law allows for such changes as needed during the course of the fiscal ycar;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL AS FOLLOWS:

Section 1. Authorizing the Creation of a New Department. The City Councal bereby authorizes the creation of the Terminal Reservoir Department within Fund 53 to provide separate accounting for the federal ARRA funds as required by the contract to receive those funds.

Section 2. Authorizing Transfers of Budgeted Amounts to the New Department. The City Council hereby authorizes the following transfers of funds between budgeted categories and the new Deparment categories:

| TUND OR DEPT | BUDGETED | RESOURCES NEEDED | REALLOCATED |
| :---: | :---: | :---: | :---: |
| WATER CAPITAL RESERVE FUND (053) |  |  |  |
| transferred from Capital Outlay - | S 7,535,352 | \$1,557,807 | - \$ 5,977,545 |
| transferred to Capital Ouilay Terminal Reservoir Department | \$0 | \$ 5,977,545 | +\$ 5,977,545 |

Section 3. Adjusting Revenue I ine Items. The City Council hereby authorizes the following adjustments to Revenue line items to further clarify the receipt of the federal ARRA funds:

| FUND 053 REVENUE | BUDGETED | RESOLRCES NEEDED | AD.IUSTMENT |
| :---: | :---: | :---: | :---: |
| 053-0000-331.31-20 |  |  |  |
| Fed Grants -- Economic Stimulus | S 6,000,000 | \$22,45, | -\$5,977,545 |
| 053-0000-331.31-21 |  |  |  |
| Fed Grants - ARRA Grant | \$ 0 | \$2,988,773 | $\div$ \$ 2,988,773 |
| 053-0000-393.10-21 |  |  |  |
| Loan Proceeds - ARRA Loans | \$0 | \$2,988,772 | +\$2,988,772 |

Section 4. Effective Date. This Resolution shall become effective upon adoption and shall remain in effect until receipt and acceptance of the FY09/10 audil report.

PASSED AND ADOPTED THIS 14th DAY OF DECEMBER, 2009.
Voting Yes, Councilors.
Voting No, Councilors:
Absent, Councilors:
Abstaining, Councilors:

AND APPROVED BY THE MAYOR THIS 14th DAY OF DECEMBER, 2009.

SIGNED:

Nikki L. Lesich. Mayor

ATTEST:

Julie Krueger, MMC, City Clerk


[^0]:    
    ${ }^{2}$ The Dative HM3, Itac Development Frawipartatam Imyect. Study. DKS Assoctates, Septembet 2047.

[^1]:    ${ }^{3}$ DKS Associates' Response:; to Greenight Engineering - Regarling Wh3 H'al-Man Developmen;, DKS Assuciates, Februaly 23, 2009; inclusled in the appendix.
     4. 1 throughs 4.4 are referenced repeatedly in this memorandum and are attached in the appendix.
    ${ }^{5}$ Higloway Capacity Manual 2000, Page 8-8

[^2]:    ${ }^{6}$ From Figure 4-I Process for Development of $30^{\text {th }}$ Highest Hour Volumes, ODOT TPAU Analysis Procedures Manual, Last updated July 2009.

[^3]:    ${ }^{7}$ The Rowena ATR (33-801) is iocaled on I-84 approximately six miles west of the Chenoweth Interchange.
    ${ }^{8}$ This is what was meant by the prewious February 9 and 23,2009 memomandums when they indicated that "nene of the study intersections arc located on mainfine l-84" (italics added; the February 23, 2009 memorandum is included in the appendix.
    ${ }^{9}$ Thest estimates are based on the 2008 ODOT Intercliange Ramp Volume diagrams (applicable diagrans are ineluded in the appendix). The 6,000 vebicle estimate is hased on the fact that cach exil and entrance ranp has oetween 1,200 and 2,200 AADT, River Road lias an AADT through volume levet of approximately 3,000 vehisles (cstimated by mulfiplying the 300) bi-directional p.m. peak hour through counls al the higher Chenowe lh Interchange ramp terminal by a factor of $1 G$, which is stardard engineering practice and is supported by the Rowena ATR data), and cach ramp terminal tas one entrance remp and ene exit ramp and also provides service to River Road through urffic.

[^4]:    ${ }^{\text {If }} 2009$ ATR Characieristics Table (Printed 00/05/09); available online from ODOT in spreadslueet fonmat:
    hatp:i/www.eregon.goviODOT:TDTTPALMA Data.shtml
    ${ }^{11}$ ODOГ'TPAU APM, Section 4.4. Last Updated 7/2009, pages 49-53; inchuded in appendix.

[^5]:    ${ }^{12} 2009$ Seamonal Trend Table; available osline from ODOT in spreadsheet format: lutp::/www.oregon.govODOT/ID/I'PAU/A.. Data.shimi

[^6]:    ${ }^{\text {is }}$ The Cify of The Dailes Traffe Inpact Stuty Guidelines, Januany 22, 2004 ,
    ${ }^{1-1}$ ODOT TPAU APM, Section 4.4.2, LasI Updated 7/2009, page 56; included in apperdix.

[^7]:    ${ }^{13}$ ODOT TPAU APM, Section 4.2.2, Last Updated ?/2009, page 4. ; trekuded in appendix.
    

[^8]:     Dalles from Greenlight Engineering, February 0,2009 ; included in appendix.
    is The bighest Saturday hourly volume occurred from 1:00 p.m. $102: 00$ p.m. on July 21, 2007 (1,962 vehicles pes hour, $301^{4}$ highest hour).
    ${ }^{10}$ Wal-Mar LUBA ${ }^{\text {H2 }} 2(109$-048 Final Opinion and Order, October 8, 2009.
     Dalles from Greenlight Eugineering, February 6, 2009; inclakled in appendix.

[^9]:    ${ }^{21}$ Sensonal Factors (Section 4.4), ODOT TPAL Amalysis Procedures Manua', Last updated July 2009; included in appandix.
    ${ }^{22}$ ODOT TPAU APM, Section 4,4,2, was: U.jphated 7/2i009, page $56 ;$ included in appendix.
    ${ }^{25}$ ODOT TPAU APM, Scction 4.4.2, Lasi Upelated 7/2009, page 56 ; included in uppendix.
    ${ }^{24} 2009$ Scasonal Trend Table; available online from ODOT in spreadsheel fermat:
    Hup:///wwwenregon.goviODOT:TD/TPAU/A Data...shtm]

[^10]:    ${ }^{25}$ ANDT estimates iro based on the 2008 ODOT Interchange Ranp Volume diagrams; applicabie diagranas arc included in inc appendix and found at $\mathrm{http}: / / \mathrm{www}$ oregon.goviODOT $/ \mathrm{TD} / \mathrm{TDATM} / \mathrm{sm} / \mathrm{hv}$. shliml
    ${ }^{26}$ ODOT TPAU APM, Section 4.4, Last Lipdated 772009, pages $46-49$; included in apperdix.
    
    ${ }^{28}$ The seasmal factor is less thati the maximum 1.30 seasonal factor allowed by ODOT procedures. A factor greater than 1.30 is considered teo high because it inticates that a count was not taken at or close to the tithe the $30^{\text {lit }}$ IV occurs.

[^11]:    ${ }^{\text {a }}$ River Road volumes consists of bi-directional traffic (i.e., entering and exiting the Chenoweth interchange area).

[^12]:    ${ }^{25}$ 20\%\% Higfata Counaity Monuai, Transportation Research Board, Washington UC; 2000.
    ${ }^{36}$ Trip Genciation, $\delta^{\text {ed }}$ Edition, Institute of Transportation Engineers, 2008, Land Use Cede 820 , Sunday peak hour of generator; the rate was used because no equation is provided
    ${ }^{34}$ When at analysis period has becn selecfed, the curresponding lifp generation bete should also be used to apprepriately alceount for pertod-specific traffie characteristics (i.e., because the analysis is for the Sunday peak indu; the appropriate trip generation rate to use is the Sunday peak licur rate).

[^13]:    ${ }^{{ }^{2}}$ Trip Gemeration Hantleook Second Edition, Institurc of Thmsportation Enginecrs, Iune 2004, Chapter 4.

[^14]:     2009.
    ${ }^{2}$ Sile Plan Review 379-08 : Pacland - Wul-Mar Subdivision $62-108$ Chenowefh Station Subdivision, Letter by Rick Nys (Greentight Engineerisg) to Richard (inssman (City of The Dalles), February 6, 2009.
    ${ }^{3}$ The Dafles WM3, fac. Development Transportation Impuct Sindy, DKS Associates, September 204T.
    ${ }^{4}$ WMA TMS, Table 18

[^15]:    "Wording io the development agreement is as follows: "Capacity at the Chenoweth fiterchange with be reserved to allow cxisting unde veloped industrial lands to develop cut during the plaming pericd. ODOT will reserve this capncity by amending the OFIP to establist a performance standard af a V'C atio of 0.75 for the Chenoweth luterchange manp intersctions at River Roac."

[^16]:    ${ }^{\circ}$ When study inletsections are located direcily on a state highway, then an hour-hy-hour anaiysis of dala cellected on one of that highway's ncarby ATRs is apprepriate. For cxample, Highway 20 in Central Oregon runs dmough downtown Sisters and Itaffie fluctuations measured at the nearby Sisters ATR directly impact city infersections. Therefore, the appropriate 30" HV for Highway 20 mersectons in Sisters can be determined by consudering the hourly volumes callecled at the Sisters ATR.

[^17]:    ${ }^{7}$ Wh3 Derelopmem Thmoporthion /ssics Jeport, DKS Asscciates, March 2, 2607.
    ${ }^{*}$ Wh's Additionm! Antersecrion Amipwis, DKS Asseciates, September 5, 2007

[^18]:    ${ }^{9}$ Phone conversation wita Robert Tovar (Oregon Department of Transportation), Fehruary 18 , $2(f) 9$.
    ${ }^{10}$ See ()AR (660-1)12-(0)nio section (2) (e).
    "Trip Generation Manmi, $7^{\text {th }}$ Ediaion, Justitute of Transportation Engincers, 2003, Land Use Code \$13.
    12 1.13.1.1).

[^19]:    ${ }^{3}$ ODOT TPAU, Analysis Procedures Manual, Developing Design Hour Volumes, June 6, 2005 found at http://www.oregon.gov/ODOT/TDTPAU/docs/A APM/ch4.ndf and as referenced on page 1 of the TIS ${ }^{4}$ Page 6 of the TIS

[^20]:    S'se Appendix A or this report
    ${ }^{6}$ Sec Appendix B of chis report

[^21]:    ${ }^{7}$ July 10,2007 was the $2^{\text {ind }}$ Tuesday in July

[^22]:    

[^23]:    

[^24]:    

