



## Chelan County Transportation Element Update

### Agenda • Stakeholder Advisory Group Meeting #4

Wednesday, October 1, 2008 • 9:30 – 11:30 pm

Confluence Technology Center, 285 Technology Center Way, Wenatchee

- Purpose** Update the Stakeholder Advisory Group members on progress to-date, review proposed modifications to County LOS standards, discuss funding strategies, and review prioritized project list.
- 9:30 **Welcome and Introductions • Buell Hawkins**  
*Round robin introductions and welcoming of new attendees.*
- 9:35 **Project Update & Outreach Efforts • Marcia Wagoner & Jon Pascal**  
*Overview of the project progress. Summary of comments heard, key themes and highlights from community outreach efforts. Q & A*
- 9:40 **Prioritized Capital Project List • Jon Pascal**  
*Address comments and questions regarding the prioritized improvement project list. Q & A*
- 10:25 **Funding Strategies • Morgan Shook**  
*Discuss potential funding strategies to address County maintenance and capital needs. Q & A*
- 11:05 **County LOS Standards & Development Review Process • Larry Toedtli**  
*Provide overview of proposed modifications to the County's LOS standards and revisions to the development review process. Q & A*
- 11:25 **Next Steps • Marcia Wagoner**  
*Brief review of work to be accomplished over next few months. Confirm next meeting date.*
- 11:30 **Adjourn**



# Which Issues Are the Most Important to You?

## Chelan County Transportation Element Update

Defining priorities is an important part of the planning process.

### Economic Factors

- Supporting economic development plans
- Cost of potential improvements
- Enhancing movement of freight & goods

### Facilities & Services

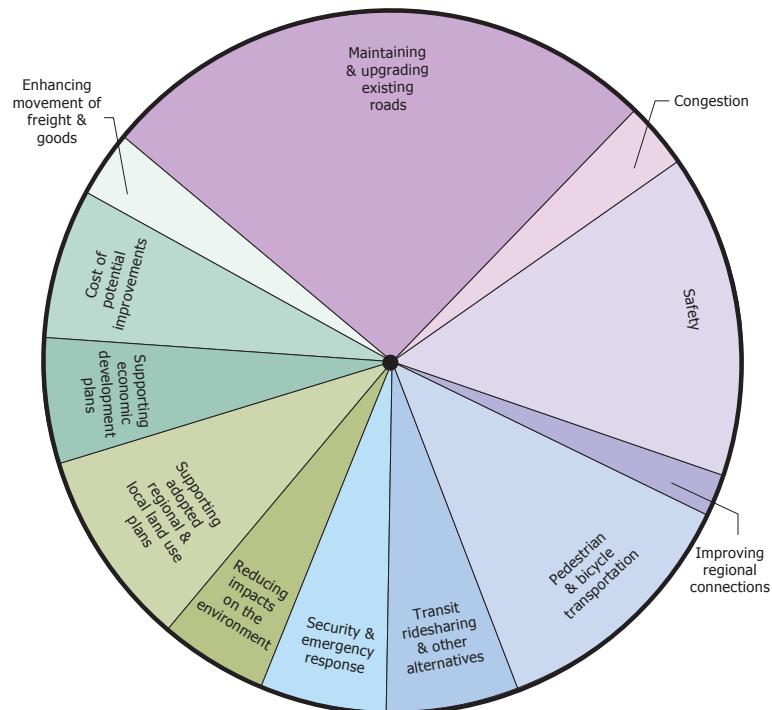
- Maintaining & upgrading existing roads
- Congestion
- Safety
- Improving regional connections
- Pedestrian & bicycle transportation
- Transit, ridesharing, & other alternatives.
- Security & emergency response

### Land Use & Environmental Factors

- Reducing impacts on the environment
- Supporting adopted regional and local land use plans

## PRIORITIES FOR CHELAN COUNTY

Based on input from the June 2008 Public Open House and Stakeholder Advisory Group.



## PRIORITY TIERS

Improvement projects were further prioritized into Tiers. There are three Tiers (I, II, and III). The project maps and list identify which Tier each project is included under. The county priorities, along with feasibility, and funding were used in grouping the projects by Tier.

**Tier I :** Projects primarily addressing maintenance/preservation, safety, and ped/bike needs. Likely shorter-term, lower cost, and addressing existing issues for all users of the transportation system.

**Tier II :** Projects not likely to be completed using existing capital revenue streams. They generally address county priorities, but are more costly than Tier I projects or do not rate as high.

**Tier III :** Longer term projects that typically include higher cost solutions. In addition, many are needed primarily to accommodate new development. They would primarily be funded by new development or grant revenues.

Chelan County Transportation Element Update  
**CHELAN COUNTY TRANSPORTATION PROJECT LIST**

Project Type	MAP ID	Project Title	Subarea	Project Description	Source	Priority Tier*	Funding Type**	Cost Range***		Comments
<b>New Roadway Construction</b>	CC-R1	Corridor Study - Alternative route between Manson and Chelan	Chelan Manson	Evaluate the feasibility and identify the corridor footprint of an alternate route between Manson and Chelan.	Community Visioning & Stakeholder Advisory Group discussions	I	B	\$200	\$300	
	CC-R2	Alternative route between Manson and Chelan	Chelan Manson	Construct an alternate route between Manson and Chelan.	Community Visioning & Stakeholder Advisory Group discussions	II	C	\$30,000	\$50,000	Likely to be built in segments as development occurs.
	CC-R3	Titus Road to Chumstick Highway Connector	Leavenworth	New collector road between Titus Road and Chumstick Highway to provide improved access and circulation to the North Leavenworth area.	NCW RTIP 2008-2013 Planned Projects 2002 City Comp Plan	I	C	\$1,000	\$2,000	Proposed route alignments have been identified by property owners / developers.
	CC-R4	Bergstrasse Road/DeTillion Road connector	Leavenworth	Upgrade / construct road between Ski Hill Drive and Titus Road	2002 Comp Plan Transportation Map NCW RTIP 2008-2013 Planned Projects	III	C	\$750	\$1,500	Likely to be completed by new development
	CC-R5	Leavenworth north-south connector	Leavenworth	New north-south road (unnamed) between Bergstrasse Road and Titus Loop Road.	2002 Comp Plan T-7	III	C	\$1,000	\$1,500	
	CC-R6	Bainard Road/Searles Road connection (Saturday Avenue extension)	Malaga	New connection between W. Malaga Rd and Searles Rd / Saturday Ave to provide for improved circulation and access to the area south of Dixie Lane	Malaga Community Council	II	C	\$400	\$750	Likley to be completed by new development
	CC-R7	Malaga new east-west connection	Malaga	New east-west connection just south of Malaga-Alcoa Hwy between the western and eastern ends of West Malaga Road.		III	C	\$1,500	\$2,500	Likley to be completed by new development
	CC-R8	East-west collector between Roller Coaster Rd and Blewett Cutoff Rd	Peshastin	Construct new roadway to serve proposed UGA commercial/residential areas west of new interchange.	Stakeholder Advisory Group discussions	II	C	\$400	\$800	Likely the be built by new development
	CC-R9	North-south collector between Green Rd and Rollercoaster Rd	Peshastin	Construct new collector arterial to serve proposed UGA commercial/residential areas west of new interchange.	Stakeholder Advisory Group discussions	II	C	\$300	\$600	Likely the be built by new development
	CC-R10	North-south connection using new US 2 underpass - Blewett Cut-off Road	Peshastin	Upgrade underpass connection being built by WSDOT for agricultural uses to County roadway standards at the US 2 / 97 interchange. Upgade Blewett Cut-off Road.		II	C	\$600	\$900	
<b>Roadway Improvement</b>	CC-R11	Union Valley Road	Chelan	Widen, grade, drain, add base and top course, and pave from City Limits to Cagle Gulch Rd.	Chelan Co. 2008-11 w/ CN in 2009	I	B	\$1,500	\$2,000	
	CC-R12	Boyd Road	Chelan	Construct/widen shoulders,construct sidewalks in UGA, upgrade base material, and pave between City limits and Wapato Butte Road.	Stakeholder Advisory Group discussions	II	B	\$2,000	\$3,500	
	CC-R13	Entiat River Road	Entiat	Widen/improve shoulders	Stakeholder Advisory Group discussions	III	B	\$1,500	\$2,500	
	CC-R14	Eagle Creek Road	Leavenworth	Grade, drain, widen, minor horizontal realignment, add base and top course, and pave along 1.5 mile stretch starting at Chumstick Hwy. Widening pavement from 22 ft to 26 ft.	Chelan Co. 2008-11 w/ CN in 2009	I	B	\$3,000	\$4,000	Currently in design
	CC-R15	North Road	Leavenworth	Reconstruct large culvert, grade, drain, add base and top course, and pave from Chumstick Highway to Fox Rd.	Chelan Co. 2008-11 w/ CN in 2009	I	B	\$1,500	\$2,000	
	CC-R16	North Road	Leavenworth	Construct/widen shoulders, improve horizontal curves, signage, and safety between Fox Rd and Nibblelink Rd (north connection).	Stakeholder Advisory Group discussions	I	B	\$2,500	\$4,000	
	CC-R17	E. Leavenworth Road	Leavenworth	Construct/widen shoulders, improve horizontal curves, safety, and reconstruct roadway between UGA limits and Dempsey Rd		II	B	\$2,500	\$4,000	Subgrade is questionable

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Project Type	MAP ID	Project Title	Subarea	Project Description	Source	Priority Tier*	Funding Type**	Cost Range***		Comments
Roadway Improvement	CC-R18	E. Leavenworth Road	Leavenworth	Construct/widen shoulders and reconstruct roadway between Dempsey Rd and Icicle Rd		III	B	\$2,500	\$4,000	Subgrade is questionable
	CC-R19	Mission Ridge Road	Malaga	Construct retaining wall as part of FHWA Western lands project which includes 4.3 miles of roadway reconstruction and upgrades.	Chelan Co. 2008-11 w/ CN in 2008	I	B	\$1,000	\$2,000	Currently being constructed. Funded by FHWA.
	CC-R20	Dixie Lane	Malaga	Road upgrades, shoulder widening, sidewalks.	Stakeholder Advisory Group discussions Community Council Input	I	C	\$800	\$1,500	
	CC-R21	West Malaga Road	Malaga	Improved shoulders and new turn lanes.	Stakeholder Advisory Group discussions Community Council Input	II	C	\$2,500	\$4,500	
	CC-R22	Sterniit Loop Road	Malaga	Construct/widen shoulders, improve vertical/horizontal curves, signage, and reconstruct roadway		III	B	\$4,000	\$6,000	
	CC-R23	Manson Boulevard Phase II	Manson	Grade, install storm water drainage systems, widen, construct retaining wall systems, add base and top course, and pave	WVTC 2008-2013 Regional TIP in the financially constrained project list; also in Chelan Co. 2008-11 w/ CN in 2008	I	B	\$2,800	\$3,500	Currently being constructed
	CC-R24	Quetilquason Road Drainage Project	Manson	Construct storm drainage system between Wapato Way and Chelan View.	Chelan Co. 2008-11 w/ CN in 2008	I	B	\$300	\$600	Construction 2008
	CC-R25	Boetzkes Avenue	Manson	Evaluate the feasibility of truck bypass to avoid segment of Manson Blvd.	Stakeholder Advisory Group discussions	I	B	\$100	\$150	
	CC-R26	Ford Street	Manson	Construct/widen shoulders and reconstruct roadway between Manson Blvd and Washington Street	Stakeholder Advisory Group discussions Community Council Input	I	B	\$500	\$800	
	CC-R27	Ivan Morse Road	Manson	Construct/widen shoulders, improve horizontal curves and safety between Wapato Lake Road and Kinsey Road.	Stakeholder Advisory Group discussions	III	B	\$500	\$2,500	
	CC-R28	Wine Sap Road	Manson	Construct/widen shoulders, improve horizontal curves and safety, upgrade base material, and pave between SR 150 and Chapman Road.	Stakeholder Advisory Group discussions	III	B	\$2,000	\$3,500	
	CC-R29	Totem Pole Road	Manson	Roadway improvements, such as pavement, base, shoulder widths and sidewalks between Wapato Way and Banks Avenue.	Manson Community Meeting	III	B	\$2,000	\$4,000	
	CC-R30	Red Apple Road	Monitor	Widen, add base and top course, and pave	Stakeholder Advisory Group discussions	II	C	\$500	\$1,000	Likely condition of new development
	CC-R31	Sleep Hollow Road / E Richared Road - Improve route between Monitor and Wenatchee	Monitor	Improve alternate roadway between Monitor and Wenatchee south of US 2/97 along Sleepy Hollow Road. Upgrade existing County roadways including shoulder widening, signage, base	Stakeholder Advisory Group discussions	III	B	\$10,000	\$20,000	Study completed by the County in April 2005 to identify the necessary upgrades to the local roadway system
	CC-R32	Kelly Road/Zager Road	Monitor	Widen, add base and top course, and pave between Monitor Orchard Road and approximately 0.60 miles north of Barden		III	C	\$500	\$1,000	Currently 16 ft wide
	CC-R33	North Road	Peshastin	Construct/widen shoulders, improve horizontal curves, signage, and safety between Nibblelink Rd (north connection) and Main St.	Stakeholder Advisory Group discussions	I	B	\$2,500	\$4,000	
	CC-R34	Beecher Hill Road	Peshastin	Improve existing roadway to serve proposed UGA commercial/residential areas west of new interchange between Rollercoaster Road and Blewitt Cutoff Road.	Stakeholder Advisory Group discussions	I	C	\$500	\$800	
CC-R35	Rollercoaster Road	Peshastin	Improve existing roadway to serve proposed UGA commercial/residential areas west of new interchange between	Stakeholder Advisory Group discussions	I	C	\$500	\$800		

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Project Type	MAP ID	Project Title	Subarea	Project Description	Source	Priority Tier*	Funding Type**	Cost Range***		Comments
Roadway Improvement	CC-R36	Larson Road	Peshastin	Local street in need of urban upgrades to serve expected growth in the Peshastin UGA.		III	C	\$500	\$800	Support development in proposed UGA
	CC-R37	Ludwig Hill Road	Peshastin	Local street in need of urban upgrades to serve expected growth in the Peshastin UGA.		III	C	\$500	\$800	Support development in proposed UGA
	CC-R38	Chiwawa Loop II	Plain	Grade, drain, construct retaining walls, mitigate wetland impacts, add base and top course, and pave from south of Wendig Lane to Beaver Valley Road.	WVTC 2008-2013 Regional TIP in the financially constrained project list; also in Chelan Co. 2008-11 w/ CN in 2008	I	B	\$4,000	\$4,500	Currently being constructed
	CC-R39	Chumstick Highway	Plain	Construct/widen shoulders, improve horizontal curves, signage, safety, and reconstruct roadway between Spromberg Canyon Rd to Camp Road		II	B	\$5,000	\$8,000	Improves conditions for bicyclists
	CC-R40	Chiwawa Loop III	Plain	Construct/widen shoulders, improve horizontal curves, signage, safety, and reconstruct roadway between south of Wendig Lane and east of Meadow Creek Rd		II	B	\$4,000	\$6,000	
	CC-R41	Chumstick Highway	Plain	Construct/widen shoulders, improve horizontal curves, signage, safety, and reconstruct roadway between Camp Road and Beaver Valley Road		III	B	\$5,000	\$8,000	Improves conditions for bicyclists
	CC-R42	Knowles Road	Sunnyslope	Widen, grade, drain, install storm water system, add base and top course, and pave with HMA from School Street to Rolling Hills	Chelan Co. 2008-11 w/ CN in 2009	I	C	\$1,500	\$2,500	
	CC-R43	American Fruit Road	Sunnyslope	Reconstruct - Overlay and add sidewalks or pathway	Regional Transp Plan 2005-2025 Project Priorities; Sunnyslope Long Range Plan	I	C	\$2,000	\$4,000	County has \$100K in funding
	CC-R44	Easy Street	Sunnyslope	Upgrade Easy Street to urban standards, road widening, safety improvements, non-motorized facilities between future WSDOT interchange and SR 2/97.	Sunnyslope Long Range Plan	I	C	\$6,000	\$8,000	
	CC-R45	School Street	Sunnyslope	Improve pedestrian facilities and provide traffic calming south of Easy Street. Widen shoulders.	Sunnyslope Long Range Plan	I	B	\$500	\$1,500	
	CC-R46	Rolling Hills Road	Sunnyslope	Widen, add base and top course, and pave from Knowles Road to Burch Mountain Road		II	C	\$750	\$1,500	Support development in proposed UGA
	CC-R47	Lower Sunnyslope Road	Sunnyslope	Widen/construct shoulders east of School Street to west of Sleepy Hollow.	Regional Transp Plan 2005-2025 Project Priorities	III	B	\$1,500	\$2,500	
Bridges	CC-B1	West Cashmere (Goodwin Road) Bridge	Cashmere	Rehabilitate/replace aged bridge	Stakeholder Advisory Group discussions	III	B	\$5,000	\$15,000	
	CC-B2	Old Monitor Road Bridge	Monitor	Rehabilitate/replace aged bridge	Stakeholder Advisory Group discussions	I	B	\$5,000	\$10,000	County has received partial funding
	CC-B3	Monitor Main Street Bridge	Monitor	Rehabilitate/replace aged bridge	Stakeholder Advisory Group discussions	III	B	\$10,000	\$15,000	
	CC-B4	Old Peshastin Bridge	Peshastin	Replace or rehabilitate bridge. Should include pedestrian facility improvements or separate trail bridge.	Stakeholder Advisory Group discussions	II	B	\$10,000	\$20,000	Could include building a separate trail bridge
	CC-B5	New Bridge across Wenatchee River	Peshastin	Construct a new bridge to provide access to the Port industrial area on the north side of the Wenatchee River	Port of Chelan	III	C	\$10,000	\$15,000	Port completed feasibility study in May 2005 completed by RH2 Consultants.
Intersections	CC-I1	Yaksum Canyon Rd / Coates Rd	Cashmere	Sight distance improvements		II	B	\$250	\$500	
	CC-I2	Binder Rd / Yaksum Canyon Rd	Cashmere	Sight distance and traffic control improvements		II	B	\$250	\$500	
	CC-I3	Chumstick Highway / North Road	Leavenworth	Intersection safety improvements, could include signage, illumination, re-alignment, and channelization improvements.	Stakeholder Advisory Group discussions	I	C	\$150	\$250	

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Intersection Improvements	CC-14	W. Malaga Rd / McEldowney Rd	Malaga	Sight distance and intersection geometry improvements		II	B	\$400	\$600	Tight turning radius for trucks
	CC-15	Washington St / Banks Ave	Manson	Traffic control, signage, and intersection geometry improvements, as well as safety and sight distance improvements		I	B	\$200	\$400	
	CC-16	Green Avenue / Roses Avenue	Manson	Intersection safety and sight distance improvements at Green Ave / Roses Ave.	Manson Community Meeting	III	B	\$200	\$400	
	CC-17	Kelly Rd / Barden James Rd	Monitor	Improve safety by reconstructing intersection to eliminate 'Y' intersection and create a 'T' intersection		I	B	\$100	\$200	Likely to be completed by County Public Works Staff
	CC-18	Monitor Main Street at-grade railroad crossing	Monitor	Improve alignments, illumination, safety enhancements.	Stakeholder Advisory Group discussions	III	B	\$500	\$1,500	Grade separation has been evaluated but is not feasible at this location without
	CC-19	Main Street / Peshastin Rd	Peshastin	Illumination, signage, and traffic control improvements.	Stakeholder Advisory Group discussions	I	B	\$500	\$750	Needs to evaluate a range of solutions to improve safety
	CC-110	School Street / Easy Street	Sunnyslope	Install roundabout or traffic signal, widen intersection, and improve channelization and signage to accommodate expected traffic	Regional Transp Plan 2005-2025 Project Priorities & Sunnyslope Long Range Plan	I	C	\$400	\$800	Future multi-modal hub
	CC-111	Knowles Road / School Street	Sunnyslope	Intersection safety improvements.	Sunnyslope Long Range Plan	I	B	\$150	\$250	
	CC-112	Easy Street / Peters Street	Sunnyslope	Install roundabout or traffic signal, widen intersection, and improve channelization and signage to accommodate expected traffic		II	C	\$400	\$800	
	CC-113	Easy Street / Penny Road	Sunnyslope	Install additional turn lanes to accommodate expected traffic growth.		II	C	\$400	\$800	
	CC-114	Lower Sunnyslope / School St / Penny St	Sunnyslope	Traffic control, signage, and intersection geometry improvements		III	B	\$400	\$800	
Non-Motorized Improvements	CC-NM1	Sunset Highway	Cashmere	Improve pedestrian and bicycle facilities on Sunset Highway from City limits to UGA limits.	Community Visioning Process	II	B	\$1,000	\$2,000	
	CC-NM2	Pioneer Avenue	Cashmere	Improve pedestrian and bicycle facilities on Pioneer Avenue from Evergreen Dr to UGA limits.	Community Visioning Process	II	B	\$1,000	\$2,000	
	CC-NM3	Binder Road/Olive Street	Cashmere	Improve pedestrian and bicycle facilities on Binder Road/Olive Street from Rank Road to Tigner Road.	Community Visioning Process	III	B	\$500	\$750	
	CC-NM4	Mission Creek Road	Cashmere	Improve pedestrian and bicycle facilities on Mission Creek Road from City limits to Binder Road.	Community Visioning Process	III	B	\$500	\$800	
	CC-NM5	Wescott Drive	Cashmere	Improve pedestrian and bicycle facilities from Pioneer Avenue to Sunset Highway.		III	B	\$500	\$1,000	
	CC-NM6	Evergreen Drive	Cashmere	Improve pedestrian and bicycle facilities from Pioneer Avenue to Sunset Highway.		III	B	\$500	\$1,000	
	CC-NM7	Chumstick Highway	Leavenworth	Complete missing sidewalks between City limits and North Road.	Stakeholder Advisory Group discussions	I	B	\$250	\$400	
	CC-NM8	Ski Hill Drive	Leavenworth	Improve shoulders, illumination, signage, and provide traffic calming along Ski Hill Drive from City limits to Titus Rd.	County Parks & Recreation Plan Leavenworth Steering Committee	I	B	\$600	\$1,200	
	CC-NM9	Titus Road	Leavenworth	Improve shoulders, illumination, signage, and provide traffic calming along Titus Rd from City limits to Ski Hill Dr.	County Parks & Recreation Plan Leavenworth Steering Committee	I	B	\$400	\$800	
	CC-NM10	Bainard Road	Malaga	Provide enhanced pedestrian facilities from Dixie Lane to Saturday Avenue.		II	B	\$250	\$400	
	CC-NM11	Green Avenue / Hill Street	Manson	Construct sidewalk on Green Avenue from Totem Poll Road to Hill Street and on Hill Street from Green Avenue to Totem Pole Road.		III	B	\$400	\$800	

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CHELAN COUNTY TRANSPORTATION PROJECT LIST

Project Type	MAP ID	Project Title	Subarea	Project Description	Source	Priority Tier*	Funding Type**	Cost Range***		Comments
Non-Motorized Improvements	CC-NM12	Main Street / Peshastin Road	Peshastin	Complete missing sidewalk segments		I	B	\$250	\$500	
	CC-NM13	Knowles Road	Sunnyslope	Construct sidewalk on Knowles Road from American Fruit Road to Lombard.	North Central RTPO - Bicycle and Pedestrian Projects	I	B	\$150	\$250	
	CC-NM14	Penny Road	Sunnyslope	Construct sidewalk on Penny Road from Easy Street to Euclid Avenue.	North Central RTPO - Bicycle and Pedestrian Projects	I	B	\$250	\$450	
	CC-NM15	Peters Street	Sunnyslope	Construct sidewalk on Peters Street from School Street to Easy Street.	Chelan County 2008/2011 TIP	I	B	\$800	\$1,200	
	CC-NM16	Euclid Avenue	Sunnyslope	Construct sidewalk on Euclid Avenue from Penny Road to US 97A.	North Central RTPO - Bicycle and Pedestrian Projects	II	B	\$500	\$750	WSDOT currently completing a segment
	CC-NM17	Peters Street	Sunnyslope	Construct sidewalk on Peters Street from Easy Street to Ohme Garden Road	Chelan County 2008/2011 TIP	II	B	\$300	\$500	
	CC-NM18	Cordell Avenue	Sunnyslope	Construct sidewalk on Cordell Avenue from Lower Sunnyslope Road to Easy Street.	North Central RTPO - Bicycle and Pedestrian Projects	III	B	\$200	\$400	
Trails	CC-NM19	Tichenal Road Connection	Cashmere	Provide pedestrian/bicycle connection between Tichenal Rd to Old Monitor Rd	County Parks & Recreation Plan	I	B	\$200	\$300	Would provide connection just south of US 2 / 97
	CC-NM20	Phase 5 - Wenatchee to Leavenworth Trail	Cashmere	Identify ROW and construct trail between Dryden and Cashmere.	North Central RTPO - Bicycle and Pedestrian Projects	III	B	\$3,000	\$4,000	
	CC-NM21	Phase 3 - Wenatchee to Leavenworth Trail	Cashmere Monitor	Identify ROW and construct trail between Cashmere and Monitor.	North Central RTPO - Bicycle and Pedestrian Projects	II	B	\$2,000	\$3,000	
	CC-NM22	Chelan Lakeside Trail - Phase 1	Chelan	New trail from Lake Chelan State Park to City limits.	County Parks & Recreation Plan	III	B	\$5,000	\$10,000	
	CC-NM23	South Lakeshore Drive Chelan Lake Shore Trail - Phase 2	Chelan	Widen shoulders, provide pedestrian improvements between 25-mile Creek State Park to Lake Chelan State Park.	County Parks & Recreation Plan Stakeholder Advisory Group	III	B	\$4,000	\$8,000	
	CC-NM24	Wenatchee Foothills Trail	Foothills	This particular trail is well through the planning stages and is prepared to receive funding for acquisition and development.	County Parks & Recreation Plan	I	B	\$500	\$800	
	CC-NM25	Phase 1 - Wenatchee to Leavenworth Trail	Leavenworth Peshastin	Identify ROW and construct trail between Leavenworth and Peshastin.	North Central RTPO - Bicycle and Pedestrian Projects	I	B	\$2,000	\$3,000	
	CC-NM26	North Shore Pathway	Manson	Trail from Manson to Chelan along SR 150.	North Central RTPO - Bicycle and Pedestrian Projects	III	B	\$5,000	\$8,000	
	CC-NM27	Phase 2 - Wenatchee to Leavenworth Trail	Monitor Sunnyslope	Identify ROW and construct trail between Monitor and Wenatchee. Could include use of irrigation canal.	North Central RTPO - Bicycle and Pedestrian Projects	I	B	\$2,500	\$3,500	
	CC-NM28	Phase 4 - Wenatchee to Leavenworth Trail	Peshastin	Identify ROW and construct trail between Peshastin and Dryden.	North Central RTPO - Bicycle and Pedestrian Projects	II	B	\$1,500	\$2,500	
Waterborne	CC-W1	Provide Lady of the Lake water taxi service	Chelan	An organization needs to take over the ferry service up Lake Chelan to Stehekin		III				
	CC-W2	Ferry service across the Columbia River in Entiat	Entiat	Ferry service - For emergency management, recreation and tourism development.	Stakeholder Advisory Group discussions	III				
	CC-W3	New water taxi service between Lake Chelan State Park and Manson	Manson	For tourism	FTA Grant Application FY 2008	III				
								\$193,750	\$333,450	
* See definition of priority tier on the project priorities worksheet.										
** Funding type includes (A) maintenance and operations, (B) reconstruction of existing facilities / pedestrian and bicycle projects, and (C) new or upgraded facilities to support										
*** Cost range in \$1,000s of dollars and is a general ballpark figure based on a preliminary assessment of the project size and complexity. The costs will be refined when the draft plan is prepared.										

Chelan County Transportation Element Update  
**STATE HIGHWAY PROJECTS**

Project Type	MAP ID	Project Title	Subarea	Project Description	Source	Comments
New Roadway	WS-R1	US 2 in Leavenworth - Tier III Solution	Leavenworth	Construct bypass to reroute traffic away from congested business center	2007-2026 Highway System Plan	
Roadway Improvement	WS-R2	US 2/97 West of Cashmere	Cashmere	Install median barrier between MP 104.8 and MP 111	2008-2011 STIP	
	WS-R3	US 2 in Leavenworth - Tier I Solution	Leavenworth	Adaptive signal management	2007-2026 Highway System Plan	
	WS-R4	US 2 in Leavenworth - Tier II Solution	Leavenworth	Improved parking & pedestrian overcrossing	2007-2026 Highway System Plan	
	WS-R5	US 2 & SR 285/N Wenatchee Alternative Corridor - Pre Design	Wenatchee	Congestion Relief Study	2008-2011 STIP	
Interchange	WS-I1	US 2 between School Street and Odabashian Bridge - Tier I Solution	Sunnyslope	Median barrier in the vicinity of School Street intersection to make intersection only right in - right out	Sunnyslope Long Range Plan 2007-2026 Highway System Plan	Already completed
	WS-I2	US 2 / 97 Sunnyslope Interchange - Pre Design	Sunnyslope	Congestion Relief Study	2008-2011 STIP	
	WS-I3	US 2 Sunnyslope Interchange	Sunnyslope	Possible new interchange west of School Street.	US 2 School St. to Odabashian Bridge Route Development Plan	
	WS-I4	US 2 / Easy Street overcrossing	Sunnyslope	Grade separation at Easy Street. Tier III solution	US 2 School St. to Odabashian Bridge Route Development Plan 2007-2026 Highway System Plan	
Intersection Improvement	WS-I5	US 2 / Aplets Way	Cashmere	Intersection improvements	Stakeholder Advisory Group discussions	
	WS-I6	US 2 / Cotlets Way	Cashmere	Intersection improvements	Stakeholder Advisory Group discussions	
	WS-I7	SR 150 Turning Lanes - No See Um Road	Chelan	Construct turn lanes on SR 150 west of Chelan at No See Um Road	2008-2011 STIP NCW RTIP 2008-2013 Planned Projects <i>Downtown Circulation Enhancement Study</i>	
	WS-I8	US 2 / Chumstick Highway	Leavenworth	Improve intersection, including evaluation of a roundabout.	Stakeholder Advisory Group discussions	
	WS-I9	US 2 / Mill Street	Leavenworth	Traffic control improvements to address future LOS deficiencies.	Leavenworth Steering Committee	
	WS-I10	US 2 / Ski Hill Drive	Leavenworth	Traffic control improvements to address future LOS deficiencies.	Leavenworth Steering Committee	
	WS-I11	US 2 / Icicle Road	Leavenworth	Traffic control and gateway improvements.	Stakeholder Advisory Group discussions Leavenworth Steering Committee	
	WS-I12	US 2 / E Leavenworth Road	Leavenworth	Intersection safety and traffic control improvements. Improve sight distance by elevating intersecting segment of E. Leavenworth Rd.	Stakeholder Advisory Group discussions Leavenworth Steering Committee	

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**STATE HIGHWAY PROJECTS**

Project Type	MAP ID	Project Title	Subarea	Project Description	Source	Comments
	WS-I13	US 2 / Riverbend Drive	Leavenworth	Improve intersection, including evaluation of a roundabout.	Stakeholder Advisory Group discussions Leavenworth Steering Committee	
	WS-I14	US 97 / Rollercoaster Road	Peshastin	Intersection improvements, including traffic control.		
	WS-I15	US 97 / Blewett Cut-off Road	Peshastin	Intersection improvements, including traffic control.		
<b>Non-Motorized</b>	WS-NM1	SR 150	Manson	Construct missing sidewalk segments within the Manson UGA.	North Central RTPO - Bicycle and Pedestrian Projects	
	WS-NM2	US 2 School Street to Penny Road	Sunnyslope	Construct path from School Street to Penny Road using existing state/county RW	North Central RTPO - Bicycle and Pedestrian Projects	
	WS-NM3	Sunnyslope Connection to Apple Capital Loop Trail	Wenatchee	Provide a connection to the Loop trail south of of the US 2 / 97 bridge. Provide a bridge over the BNSF railroad connecting to Euclid Avenue and eventually to Easy Street paralleling the highway. Construct a route on the south side of US 2.	North Central RTPO - Bicycle and Pedestrian Projects Stakeholder Advisory Group discussions	Part of project is being designed/constructed by WSDOT bwt trail and Euclid

City of Leavenworth Transportation Element Update  
**CITY OF LEAVENWORTH TRANSPORTATION PROJECT LIST**

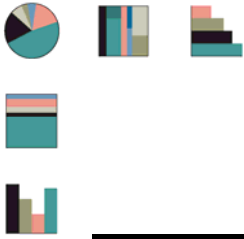
Project Type	MAP ID	Project Title	Project Description	Source	Comments
<b>New Roadway</b>	L-R1	Pine Street Extension I	Construct a new road - connector from Fir Street to Chumstick Highway. Close the Fir/Cedar/Chumstick Highway intersection.	NCW RTIP 2008-2013 Planned Projects	
	L-R2	Cone Street	Construct connector from Cedar Street to Pine Street.	NCW RTIP 2008-2013 Planned Projects	Recommend Removing
	L-R3	Mine Street north to Ranger Road extension	Construct a new road - connector from Mine Street to Ranger Road (Alder St).	2002 Comp Plan T-7	Recommend Removing
	L-R4	Pine Street Extension II	Construct a new road - connector extending Pine Street west of Ski Hill to Mine Street Extension.	2002 Comp Plan T-7	Recommend Removing
	L-R5	New streets in Riverbend Area	Construct new secondary arterial and collector streets in the Riverbend Area.	2002 Comp Plan T-7	
<b>Roadway/Intersection Improvements</b>	L-R6	8th Street Reconstruction	Reconstruct roadway, curb replacement, pave sidewalk, illumination from Front Street to Main Street.	NCW RTIP 2008-2013 Planned Projects	Being completed by downtown LID financing
	L-R7	Front Street Reconstruction	Reconstruct road, sidewalks, illumination, storm sewer, watermain replacement from Division Street to 14th Street.	NCW RTIP 2008-2013 Planned Projects	
	L-R8	Front Street Reconstruction	Reconstruct roadway, curb and gutter, sidewalk, illumination from 9th Street to Division Street.	NCW RTIP 2008-2013 Planned Projects	
	L-R9	Front Street Reconstruction	US 2 at Gustav's to 8th Street - Reconstruct roadway, replace sidewalks, illumination.	Comp Plan App C	
	L-R10	Division Street Reconstruction	Reconstruct road, sidewalks, curb & gutter, street illumination from Front Street to 200' south of Commercial.	NCW RTIP 2008-2013 Planned Projects	Being completed by downtown LID financing
	L-R11	Ski Hill Drive Reconstruction (US 2 to Pine Street)	Repair base material and asphalt overlay. Construct missing sidewalk locations between US 2 and City limits.	NCW RTIP 2008-2013 Planned Projects	
	L-R12	Pine Street Upgrade (Ski Hill Drive to Fir Street)	Repair base material and asphalt overlay. Construct sidewalk along south side of roadway.	2003 Capital Facilities 20-Year Project List (Comp Plan)	
	L-R13	Ski Hill Drive / Prospect Street intersection	Reconstruct to improve alignment of intersection.	Comp Plan App C	
<b>Non-Motorized &amp; Railroad</b>	L-NM1	Icicle Station Trail	Trail connecting Leavenworth to new Amtrack station. Would use portions of old railroad ROW now owned by Chelan PUD. Part of the Leavenworth to Wenatchee Trail.	City of Leavenworth	City currently designing/evaluating
	L-NM2	Icicle Station	Design Icicle Station on North Road	WVTC 2008-2013 Regional TIP in the financially constrained project list	

City of Chelan Transportation Element Update  
**CITY OF CHELAN TRANSPORTATION PROJECT LIST**

Project Type	MAP ID	Project Title	Project Description	Cost Estimate	Source	Comments
Bridge	C-B1	Woodin Avenue Bridge	Add advanced signage to bridge approaches to advise of pedestrian traffic and crossing on bridge at both ends of bridge approach. May include enhanced street lighting or in-pavement flashing lights.	\$4,500,000	WVTC 2008-2013 Regional TIP in the financially constrained project list Downtown Circulation Enhancement Study	
Road	C-R1	Union Valley Road	Widen, grade, drain, add base and top course, and pave from Gibson Avenue to City Limits.			
Intersection Improvement	C-I1	SR 150 / Columbia Street	Signalize intersection and restripe intersection approaches. Add dedicated EB left-turn lane. Right-of-way will be required. Includes modifications to Columbia Street.	\$510,000	Chelan 2008-2013 TIP Downtown Circulation Enhancement Study	Construction expected in 2008
	C-I2	Johnson Avenue (SR 150) / Emerson Street	Construct single-lane roundabout with pedestrian refuge islands and center display. Provide pedestrian bulb-outs, crosswalk treatments, and advanced signage.	\$420,000	WVTC 2008-2013 Regional TIP in the financially constrained project list Downtown Circulation Enhancement Study	
	C-I3	Johnson Ave (SR 150) / Sanders Street	Construct single-lane roundabout with EB to SB slip lane. May require some right-of-way. Include pedestrian refuge islands, pedestrian bulb-outs, crosswalk treatments, advanced signage, and center display.	\$550,000	NCW RTIP 2008-2013 Planned Projects Downtown Circulation Enhancement Study	
	C-I4	Park Road (SR 150) / Gibson Avenue	Stripe exclusive SB and WB left-turn lanes. May require additional pavement and elimination of parking along Gibson Avenue.	\$30,000	NCW RTIP 2008-2013 Planned Projects Downtown Circulation Enhancement Study	
	C-I5	Webster Avenue (SR97A) / Woodin Avenue	Stripe exclusive SB left-turn lane. Add advanced signage.	\$10,000	NCW RTIP 2008-2013 Planned Projects Downtown Circulation Enhancement Study	
	C-I6	Saunders Street (SR97A) / Woodin Avenue (SR 150)	Upgrade traffic signal. Provide and stripe NB and SB left-turn protected/permissive phasing. Restripe pavement to add new NB right-turn lane.	\$180,000	NCW RTIP 2008-2013 Planned Projects Downtown Circulation Enhancement Study	
	C-I7	Woodin Avenue / Columbia Street	Provide median refuge along Woodin Avenue for the SB left-turn movement from Columbia Street. Will require the removal of several parking spaces along Woodin Avenue. Restripe and add channelization and advanced signage to accommodate median refuge.	\$250,000	NCW RTIP 2008-2013 Planned Projects Downtown Circulation Enhancement Study	
Non-Motorized	C-NM1	Park Road (SR 150) & Gibson Avenue Pedestrian Safety Improvements	Provide pedestrian improvements including construction of overhead and side arm signals with advanced LED signage.	\$130,000	NCW RTIP 2008-2013 Planned Projects Downtown Circulation Enhancement Study	
	C-NM2	Park Road (SR 150) & Nixon Avenue Pedestrian Safety Improvements	Provide pedestrian improvements including construction of overhead and side arm signals with advanced LED signage.	\$130,000	NCW RTIP 2008-2013 Planned Projects Downtown Circulation Enhancement Study	
	C-NM3	Bradley Street Pedestrian Improvements	Provide pedestrian improvements including: construction of overhead and side arm signals with advanced LED signage at intersection with US 97A; curb ramps and sidewalks between Woodin Avenue and Sayles Avenue.	\$375,000	NCW RTIP 2008-2013 Planned Projects Downtown Circulation Enhancement Study	
	C-NM4	Lakeside Trail	Construct multi-use trail. Off-Street trail between Gibson Ave and Old Woodin Avenue Bridge; on street- trail with sidewalks, curb ramps, stairways, and landings on east side of street between Old Woodin Avenue Bridge and Webster Avenue (SR 97A).	\$1,650,000	NCW RTIP 2008-2013 Planned Projects Downtown Circulation Enhancement Study	

Chelan County Transportation Element Update  
**TRANSIT PROJECTS**

Project Type	MAP ID	Project Title	Subarea	Project Description	Source	Comments
<b>Transit</b>	LT-1	Rural Commuter Route to Chelan - Wenatchee and Leavenworth	Leavenworth	Expand service	LINK 2008-2013 TIP	
	LT-2	Ardenvoir to Chelan	Entiat	Provide service	LINK 2008-2013 TIP	
	LT-3	Mobility Coordinator	Regional	New staff	LINK 2008-2013 TIP	
	LT-4	Expanded service in Leavenworth	Leavenworth	Weekend service identified as a priority by the community	LINK 2008-2013 TIP Transit Development Plan 2008-2015	
	LT-5	High Capacity Transit	Wenatchee	Investigate and develop high capacity transit concepts for the urbanized core of the greater Wenatchee area	LINK Transit Development Plan 2008-2013	
	LT-6	ADA/Pedestrian Improvements	Regional	Bus stop and accessibility upgrades to meet ADA requirements	LINK Transit Development Plan 2008-2013	
	LT-7	Evaluate Feasibility of Additional Park & Ride Facilities	Regional	Study additional park & ride locations throughout the County (Leavenworth, Sunnyslope, Chelan, etc.)	LINK	Will be completed by end of 2008
	LT-8	Implement Sunday Service	Regional	2006-2025	Regional Transp Plan 2005-2025 Project Priorities	
	LT-9	Leavenworth Park & Ride	Leavenworth	Construct additional park & ride location in Leavenworth	LINK	
	LT-10	Leavenworth Bus Stops	Leavenworth	Locate and construct bus stops throughout the Leavenworth area.	LINK	
	LT-11	Entiat Bus Stops	Entiat	Locate and construct bus stops along Entiat River Road.	LINK	
	LT-12	Intensify transit service in Central Sunnyslope	Sunnyslope	Multimodal hub near intersection of School Street / Easy Street	Sunnyslope Long Range Plan	



## MEMORANDUM

**DATE:** September 26, 2008

**TO:** Jon Pascal, The Transpo Group

**FROM:** Morgan Shook

**RE:** **DRAFT** - Revenue Strategies for Chelan County Transportation Plan

### OVERVIEW

The following memo outlines a framework to address projected revenue shortfalls to inform future funding decision-making for the planning period 2009-2028. The first section provides a framework for assessing alternative transportation funding mechanisms relative to the County's diverse funding needs. The latter section provides a description of alternative funding mechanisms with a discussion of potential revenue impacts.

### APPROACH TO FUNDING ALTERNATIVES

Chelan County is faced with a projected funding shortfall over the planning horizon of its transportation plan update. The County is exploring strategies that best match its diverse transportation funding needs. Based on the planning process that has included community visioning & Stakeholder Advisory Group discussions, the County has indentified a broad range of projects. Many of these projects can be distinguished by type:

- Maintenance and operations
- Reconstruction of existing facilities, and pedestrian and bicycle enhancements
- New or upgraded facilities to support new development

Based on revenue projections, approximately \$156 million will be available for funding during the planning horizon. Due to statutory restrictions in funding, \$115 is available for maintenance and operations leaving approximately \$41 million available for reconstruction of existing facilities or development of new facilities. Neither of these amounts are expected to meet project cost demands.

In order to address the funding imbalance, the County may consider policy changes that would increase future revenues and available funding. These funding alternatives are listed in Exhibit 1 and are screened across by how broadly the project benefits transportation facility users. The planning principles under this approach seek to:

- Direct funding sources to specific projects (or categories of projects) that best relate the costs of those projects to their primary beneficiaries
- Reserve regional funding sources for constructing, maintaining, and operating transportation facilities of county-wide significance
- Have new development pay its fair share of expanding/upgrading transportation facilities in the county

**Exhibit 1  
Funding Alternatives**

	<b>County-Wide Benefits</b>	<b>Local/Development Benefits</b>
<b>Maintenance &amp; Operations</b>	<ul style="list-style-type: none"> <li>• Transportation Benefit District</li> <li>• Road Levy</li> <li>• Bonds with Levy Lid Lift</li> </ul>	
<b>Reconstruction of existing facilities, and pedestrian and bicycle enhancements</b>	<ul style="list-style-type: none"> <li>• Transportation Benefit District</li> <li>• Bonds with Levy Lid Lift</li> <li>• Impact Fees</li> </ul>	<ul style="list-style-type: none"> <li>• Impact Fees</li> <li>• Local Improvement District</li> <li>• Planned Action Ordinance</li> </ul>
<b>New or upgraded facilities to support new development</b>	<ul style="list-style-type: none"> <li>• Transportation Benefit District</li> <li>• Impact Fees</li> </ul>	<ul style="list-style-type: none"> <li>• Local Improvement District</li> <li>• Impact Fees</li> <li>• Planned Action Ordinance</li> <li>• Latecomer Agreements</li> </ul>

Exhibit 1 summarizes how certain funding sources may best meet the diverse project funding needs of the County.

**DESCRIPTION OF FUNDING ALTERNATIVES**

**Transportation Benefit District (Unincorporated Chelan County)**

**Description:** A Transportation Benefit District (TBD) may be established for the construction and operation of improvements to county roadways. The following types of fees may be imposed:

- **Sales and Use Tax.** Up to 0.2% with voter approval for up to 10 years – unless reauthorized by voters
- **Motor Vehicle License Renewal Fee.** Up to \$100 annually, with voter approval – a jurisdiction may impose a \$20 fee without voter approval

- **Excess Property Tax Levies.** One-year maintenance and operation with voter approval or multi-year for general obligation bonds
- **Transportation impact fees on commercial and industrial buildings** (residential buildings are excluded). Commercial or industrial projects would receive a credit if a transportation impact had already been imposed in the county
- **Latecomer Agreements.** Latecomers Agreements allow property owners who have paid for capital improvements to recover a portion of the costs from other property owners in the area who later develop property that will benefit from those improvements.

### **Potential Revenue Impacts:**

- A voter approved 0.2% sale tax increase could generate approximately \$700,000 per year. Example: A purchase of a television costing \$1,000 would be assessed an additional \$2 in sales tax under this scenario
- A commission enacted \$20 vehicle license renewal fee could generate approximately \$1.5 million per year. A voter approved \$100 fee could generate approximately \$3 million per year
- A voter approved excess levy could generate funds dedicated to the repayment of general obligation bonds. These proposals to voters are typically presented in terms of a total dollar amount and the levy rate is determined by the assessed value in the district. Example: On a \$30 million voted excess levy, a single family home valued at \$250,000 would likely pay an additional \$80 per year in property taxes to retire the bonds

### **Impact Fees**

**Description:** Impact fees may be charged for development of specific transportation projects shown to be directly associated with new development. Impact fees may not be used to correct existing deficiencies. The imposing jurisdiction must also contribute funds to the included projects, which by statute cannot be funded 100% through impact fees.

**Potential Revenue Impacts:** The goal of calculating traffic impact fees is to create fees based on a development's expected impact on the road system and the need for transportation improvements. Generally, this is done by basing the fees on the number of vehicle trips a development is expected to generate and each trip's proportional cost of the transportation improvement projects (alternatively can be charged on a per unit basis). Since these fees are contingent on impact, they can vary by jurisdiction. Example: For every \$1,000 in impact fees, \$8 million in revenue could be generated over the next 20 years, based on 8,000 new residential units expected to be built in unincorporated Chelan County.

### **Local Improvement Districts**

**Description:** Any jurisdiction may form a local improvement district (LID) and levy a special assessment on properties within the LID that would benefit from the improvement. These improvements include streets, parking facilities, park boulevards, and other public places along with local transportation systems, such as buses and railways, and the facilities necessitated by these

systems. A city may levy a tax on the property within an area that will benefit from a specific capital project.

**Potential Revenue Impacts:** A LID's property assessment is determined during its formation and is assessed relative to the benefits the users derive from the improvements. Example: A LID in a commercial area funding right-of-way improvements might charge on the basis of commercial building square footage. If the LID funded \$1 million of improvements and there were 100,000 square feet of commercial square footage in the district, a property owner with 10,000 square feet of shop space might be assessed an additional \$100,000 (\$10/sqft).

## Road Levy

**Description:** Every county in Washington State is eligible to collect a property tax road levy for the construction and maintenance of county roads and bridges. The levy may not exceed \$2.25 per every \$1000 of assessed value. The County's levy rate in 2007 was \$1.48. An increase of the levy rate would need to be passed by voters.

**Potential Revenue Impacts:** A levy lid lift of the County's road levy from the current \$1.48 would require voter approval. Example: A \$0.50 increase to the County's road levy could generate approximately \$3.5 million a year. A single family home valued at \$250,000 would likely pay an additional \$125 a year in property taxes.

## Bonds supported with a Levy Lid Lift

**Description:** The County Commission may choose to pass a councilmanic bond up to their legal limit, which can provide funding through debt, but does not increase revenue. The County may also go to the public for a voter-approved bond with a levy lid lift. With approval, this provides funding through debt and also gives authority to increase property tax rates thereby increasing available revenue to pay the debt service.

**Potential Revenue Impacts:** A voter approved levy lid lift designated to pay back general obligation bond proceeds could generate additional funds. Example: On a \$30 million voted excess levy backed by a levy lid lift, a single family home valued at \$250,000 would likely pay an additional \$80 a year in property taxes to retire the bonds.

## Planned Action Ordinance

**Description:** Planned Actions are a project specific action under the State Environmental Protection Act in which an Environmental Impact Statement designates, by ordinance, those types of projects to be considered Planned Actions – spelling out mitigation measures that will be applied. This type of action is appropriate for small areas expecting a specific type of development.

**Potential Revenue Impacts:** A feature of a Planned Action is the level of flexibility and specificity that it may proscribe as mitigation for a development within a Planned Action area.

## Latecomers Agreements

**Description:** Latecomers Agreements allow property owners who have paid for capital improvements to recover a portion of the costs from other property owners in the area who later develop property

that will benefit from those improvements. The period of collection may not exceed 15 years and is based on a pro rata share of the construction and contract administration costs of the particular project. The city or county must outline an area subject to the charges by determining which properties would require similar improvements. The improvement must be required for property development by city or county ordinance in order for the reimbursements to be assessed.

**Potential Revenue Impacts:** Latecomers agreements are typically done on a pro rate share of the project cost plus administrative fees. Example: A block-long installed sidewalk cost a builder \$45,000 to construct. Adjacent developments that benefit from the sidewalk contract to reimburse the original owner \$15,000 to cover the cost of the improvement.