Ordinance No. 2818

["Beginning July 1, 1998"]

(Amending or Repealing Ordinances)

CFN=131 - Zoning Codes; 786-SEPA Passed – 11/1/1988 Adopting the Green River Valley Transportation Action Plan

Amended by Ord. 3573 (Sec. 11.03.510 formerly Sec. 12.12A.510) Amended by Ord. 3746 (Sec. 11.03.510)

ordinance no. 2818

AN CRDINANCE of the City of Kent, Washington, adopting the Green River Valley Transportation Action Plan (GRVTAP) and amending subsection 12.12A.510D of the Kent City Code (Ordinance 2494; Ordinance 2511, §3; Ordinance 2547, §4).

concert with the suburban cities of Renton, Kent, Auburn, Tuking A.510 and King County, including the Washington State Department of Transportation, have devised a multi-juricaint concert with the suburban cities of Renton, Kent, Auburn, Tukwila, Transportation, have devised a multi-jurisdictional implementation and financing plan for road improvement projects in the Green River Valley on or about January of 1987 known as the Green River Valley Transportation Action Plan or "GRVTAP"; and

> WHEREAS, the GRVTAP effort has included a valley-wide traffic analysis and the development of a unified multi-jurisdictional plan for financing roadway improvement projects to resolve traffic congestion and to implement the King County Subregional Transportation Plan for the Green River Valley; and

WHEREAS, the GRVTAP identifies the need for new east-towest corridor projects in the City of Kent, namely, a South 224th/228th to divert traffic from South 240th Street (James Street), and a similar corridor at 272th/277th as a hy-pass from the Kent-Kangley bottleneck at 104th Avenue S.F. and 256th Street (S.R. 515/516); and

WHEREAS, it is necessary to incorporate such policies and plans as contained in the GRVTAP as enforceable policies and standards of the City of Kent through incorporation into the City's ordinance implementing the State Environmental Policy Act (SEPA); and

WHEREAS, the City having determined that it is in the best interests of the City to adopt and implement the GRVTAP as necessary for the health, safety and welfare of its citizens; NCW THEREFORE

amended by ord. 3282 (NEW SEC.)

THE CITY COUNCIL OF THE CITY OF KENT, WASHINGTON DOES HEREBY ORDAIN AS FOLLOWS: Section 1. The Green River Valley Transportation Action Plan is to be filed with the City Clerk and a copy is available at the Clerk's office, be and the same is hereby adopted as a part of the City's Comprehensive Transportation Master Plan. Section 2. Subsection 12.12A.510 D. Kent City Code, the City's SEPA substantive authority (Ordinance 2494) is amended as follows: 12.12A.510 The City designates the adopts by reference the following additional policies as the basis for the City's exercise of authority pursuant to this section: The City shall use all practicable means, consistent with other essential considerations of state policy, to improve and coordinate plans, functions, programs, and resources to the end that the state and its citizens may: a. Fulfill the responsibilities of each generation as trustee of the environment for succeeding generations; Assure for all people for Washington safe, healthful, productive, and aesthetically and culturally pleasing surroundings; Attain the widest range of beneficial uses c. of the environment without degradation, risk to health or safety, or other undesirable and unintended consequences; Preserve important historic, cultural, and natural aspects of our national heritage; Maintain, wherever possible, an €. environment which supports diversity and variety of individual choice; f. Achieve a balance between population and resource use which will permit high standards of living and a wide sharing of life's amenities; and Enhance the quality of renewable resources and approach the maximum attainable recycling of depletable resources. - 2 -

The City recognizes that each person has a fundamental and inalienable right to a healthful environment and that each person has a responsibility to contribute to the preservation and enhancement of the environment. 3. The City adopts by reference the policies in the following City codes, ordinances, and resolutions: Kent Citywide Comprehensive Plan a. (Resolution 817), and its specific components, including, but not limited to the East Hill Plan (Resolution 972), the West Hill Plan (Resolution 1016), the Kent Central Business District Plan (Resolution 764) and the Valley Floor Comprehensive Plan (Resolutions 873 and 924), as amended. b. Shoreline Master Program (Resolution 907). С. City of Kent Surface Water and Drainage Plan (KCC 12.14). ċ. Electrical or Communications Facilities -Underground Requirements (KCC 7.10). Transportation Master Plan (Resolution 1014) and Green River Valley Transportation Action Plan (Resclution 1127) as may hereafter be amended. Wastewater Facilities Master Plan (KCC f. 7.12)Comprehensive Water Plan (Ordinances 2369 g. and 2329). Construction Standards for Public Works h. (KCC 4.04) Street Use Permit Requirements (KCC 4.07). i. Flood Hazard Protection (KCC 14.22). j. Kent Subdivision Code (KCC 12.04). k. 1. Kent Mobile Home Park Code (KCC 12.08). Valley Studies (as adopted in Resolutions 920, 921, 922, 923, and 924). Noise Control (KCC 9.20). n. State Building Code, together with the local implementing ordinances (KCC Title 14). State Fire Code, together with the local \mathbf{r} implementing ordinances (KCC Title 13). Kent Zoning Code (KCC Title 15). q. Recreational Vehicle Park Code (KCC 12.06). r. Water Shortage Emergency Regulations (KCC 9.24). - 3 -

t. Kent Comprehensive Park & Recreation System Plan (KCC 4.10 & KCC 4.12).

Kent Public Improvements Ordinance (KCC u. 4.14 & KCC 4.18)

v. Storm Drainage Utility (Ordinance 2325).

Storm Drainage Policies (Resolutions 920

and 937).

915).

x. Six Year Transportation Improvement Plan (Resolution 1020).

y. Comprehensive Sewerage Plan (Resolution

2. Fire Master Plan (Ordinance 2511).

Section 3. Effective Date. This ordinance shall take effect and be in force five (5) days from and after its passage, approval and publication as provided by law.

DAN KELLEHER, MAYOR

ATTEST:

APPROVED AS TO FORM:

I hereby certify that this is a true copy of Ordinance No. 28/8, passed by the City Council of the City of Kent, Washington, and approved by the Mayor of the City of Kent as hereon indicated.

marie Jewen, CITY CLERK (SFAI)

6200-23C



JANUARY 1987



Puget Sound Council of Governments

Grand Central on the Park 216 First Avenue South • Seattle, WA 98104 Phone (206) 464-7090

Puget Sound Council of Governments
Washington State Department of Transportation
King County
City of Kent
City of Renton
City of Auburn
City of Tukwila

January, 1987

ABSTRACT

REPORT TITLE:

Green River Valley Transportation Action Plan

PROJECT MANAGER:

Robert Bernstein

SUBJECT:

Development of a plan for funding and implementing road improvement projects in the

Green River Valley.

DATE:

January, 1987

SOURCE OF COPIES:

Puget Sound Council of Governments

Information Center 216 First Avenue South Seattle, Washington 98104

(206) 464-7532

ABSTRACT:

The Green River Valley Transportation Action Plan (GEVTAP, is a multi-jurisdictional implementation and financing plan for road improvement projects in the Green River Valley. The GRVTAP was developed by the Puget Sound Council of Governments (PSCOG) in cooperation with the cities of Renton, Kent, Auburn, Tukwila, king County, and the Washington State Department of Transportation (WSDOT). The GRVIAP effort included two steps: 1) a valley-wide traffic analysis, and 2) the development of a unified multijurnsdictional implementation/financing plan. The main purpose of the traffic analysis was to ensure that the various road improvement projects identified by the participating jurisdictions will work effectively with one another. Development of the implementation plan included a financial analysis that

FUNDING:

Preparation of this report was financed in part by appropriations from member jurisdictions of the Puget Sound Council of Governments; and grants from the U.S. Department of Transportation, Federal Highway Administration, and the Washington State

looked at the availability of funding from

all existing and potential sources.

Department of Transportation.

FORKWORD

The Puget Sound Council of Governments (PSCOG) is a voluntary organization of local governments in King, Kitsap, Pierce and Snohomish counties, created to provide a forum for regional decision-making. The primary goals of the PSCOG are to seek solutions to problems that cross jurisdictional boundaries. PSCOG membership currently includes 49 cities and towns, three Indian tribes, and the four counties. The PSCOG's business is conducted by local elected officials representing the member agencies.

As the designated Metropolitan Planning Organization for the four-county region, the PSCOG is responsible for conducting an on-going regional transportation planning process resulting in regional plans, policies and programs to guide development of the transportation system to meet future demand.

The Green River Valley Transportation Action Plan was included in the FY 86 Work Program for the King Subregional Council appart of an element entitled "Special Transportation Projects." The purpose of this work program element was to allow the Subregional Council, in cooperation with member local governments, to address major transportation issues that are important to the implementation of the King Subregional Transportation Plan.

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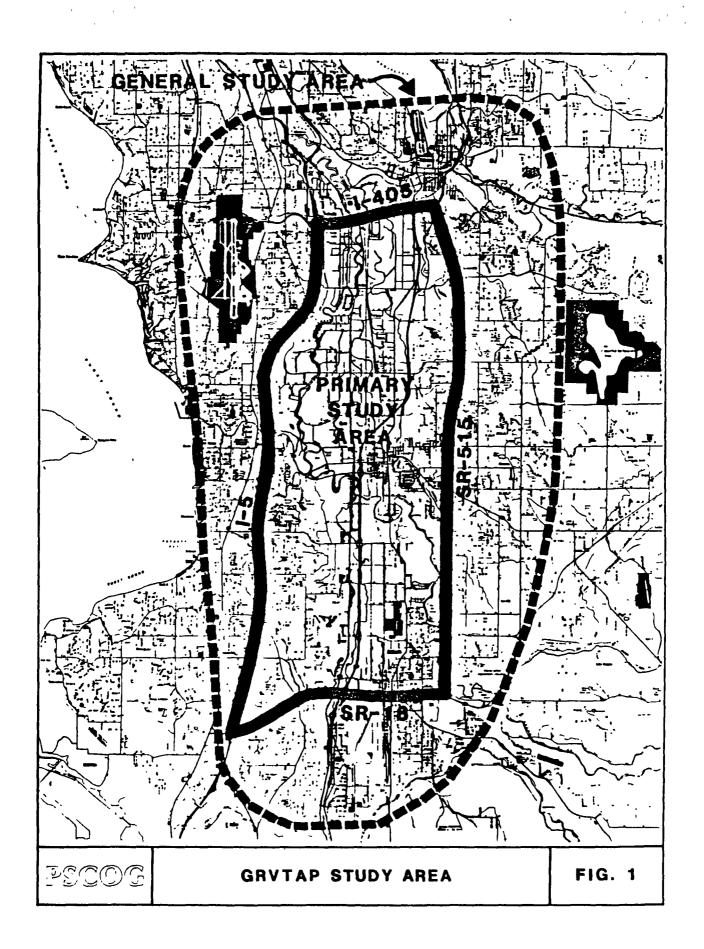
PUGET SOUND COUNCIL OF GOVERNMENTS

Councilmember Jeanette Williams, Seattle, President
Mayor Robert Mizukami, Fife, Vice President
Curtis R. Smelser, Executive Director
Jerry Dinndorf, Director, Subregional Services Division

This report was prepared under the policy guidance of the King Subregional Council's Committee on Transportation, Growth and Development.

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The GRVTAP effort included two steps: 1) a valley-wide traffic analysis, and 2) the development of a unified multi-jurisdictional implementation/financing plan (i.e., "Action Plan"). Findings and conclusions of the traffic analysis and the financial analysis can be found in sections III and IV of this report. The traffic analysis and financial analysis are documented in detail under separate cover in the GRVTAP Technical Appendix.

The main purpose of the traffic analysis was to ensure that the various road improvement projects identified by the participating jurisdictions work effectively with one another. The traffic analysis also analyzed how the valley road improvements would affect (and be affected by) I-5 and the SR-509 extension alternatives currently being considered by King County and WSDOT.

Development of the implementation/financing plan included a detailed financial analysis, the purpose of which was to identify federal, state, local, public and private funding sources, and to evaluate the potential of each of these sources. A parallel activity was the categorization and prioritization of the identified road improvement projects. Project priorities were compared to funding availability to identify funding shortfalls, and strategies for making up the shortfalls were developed. The project priorities and funding strategies form the Action Plan.

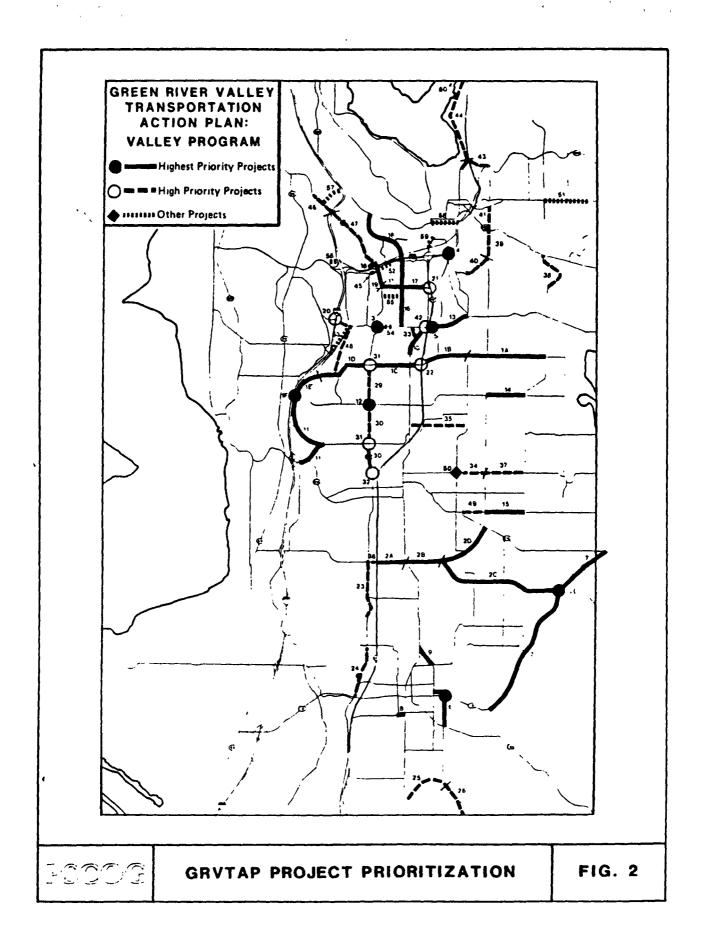
II. THE ACTION PLAN

The Green River Valley Transportation Action Plan has two main elements: 1) a prioritized program of road improvement projects, and 2) a set of recommendations that would expedite the funding and implementation of the projects. Both elements of the Action Plan are described in this section of the report.

PROJECT PRIORITIES

Each of the recommendations contained in this report relate directly or indirectly to all or parts of a program of road improvement projects identified by the five Green River Valley jurisdictions through the Valley Transportation Committee. map in Figure 2 shows all of these projects. After compiling the list of projects and cost estimates for each, the Valley Transportation Committee prioritized the list, as shown in Tables 1 - 10. Projects were first grouped into two categories: those of valley-wide importance and those of localized impact and importance. The Valley Transportation Committee then prioritized the projects of valley-wide importance (i.e., the "Valley Program") by determining which projects were "highest" priority (Table 1) and which were "high" priority (Table 2). contains the other Valley Program projects, and Table 4 summarizes the total costs of the projects in each of the priority categories. Each jurisdiction prioritized its own local projects, using the same three priority levels (Tables 5-9).

After reviewing the financial analysis (see Section IV of this report), the Valley Transportation Committee identified a list of "Extraordinary" projects— so-called because they are priority projects whose implementation will require extraordinary interjurisdictional cooperation and extra-ordinary funding sources. The Extraordinary Projects are listed in Table 10. Table 10 also contains an initial estimate of the availability of public funds for each Extraordinary Project, as well as estimates of the private sector contributions that could be obtained given current local funding strategies.



MAP KEY		PROJECT	COST (\$000)
		192/196 CORRIDOR	.4 100
1 A		S 192/196, SR-515 - 140 SE (realign, widen)	\$4,100 \$4,90 0
18,	King	S 192/196, SR-167 - SR-515 (new)	#4,500 #10 200
1C	Kent	S 192/196, W Valley - Sk-16/ (new, widen)	\$4 040
1 D	Kent	S 192/196, SR-167 - SR-313 (New, widen) S 192/196, W Valley - SR-167 (new, widen) S 196/200, Orillia - W Valley (new, widen) S 200 Connector, Orillia - I-5 (new) I-5/S 200 Connector/SR-509 interchange (new)	\$19,290 \$4,040 \$3,000
1E	Kent	S ZUU CONNECTOR, OFFITTA - 1-5 (New)	\$10.000
1 F	WSDOI	1-5/5 200 Connector/SR-509 Interchange them/	210,000
		277 CORRIDOR	
2 A	King	SE 277, SR-167 - 83 S [Auburn Wy N] (widen)	\$3,092
2B	Auburn	SE 277, Auburn Wy N [83 S] - Green River (widen)	\$3,166
2C	King	SE 277 Ext, Green River - SR-18 (new)	\$14,25U
2D	Kent	SE 277 Ext, Green River - SR-516 (new)	* 5 OOO
2 E	WSDOT	SE 277, SR-167 - 83 S (Auburn wy N) (widen) SE 277, Auburn Wy N [83 S] - Green River (widen) SE 277 Ext, Green River - SR-18 (new) SR-18/SE 277 Ext interchange (new)	\$5,000
		W VALLEY/180 INTERSECTION	
3	Kent	w Valley/S 180th (intersection improvements)	\$600
3	Tukwila	W Valley/S 180th (intersection improvements)	\$1,788
4	WSDOT	I-405/SR-515 interchange (new)	\$10,000
5	WSDOT	SR-167/SW 43 [S 180] interchange (add ramps) SR-164 [R St], SR-164/SR-18 interchange (new)	\$5,000
6	WSDOT	SR-164 [R St], SR-164/SR-18 interchange (new)	\$8,000
7	WSDOT	SR-18, Green River - SR-516 (widen)	\$6,000
_		12 BE/BNRR Overwing/15 BW, A BE - C BW	\$2.500
8	Auburn	Harvey, Auburn Wy - 8 NE (widen)	\$874
9	Auburn	narvey, Audurn wy - 6 ME (widen)	•
• •	W4	E Valley, S 180 - S 192 (widen)	\$2,640
10 11	Kent	S 228, Russell - Military (new)	\$7.834
12	Yent	W Valley/S 212 (intersection improvements)	\$350
12	Kenc	W Valley/5 212 (Intersection Improvement)	-
13	Fin-	Carr, Talbot - 108 SE (widen)	\$2,823
14	King	SE 208, 116 SE - 132 SE (widen)	\$2,636
15	King	SE 256, 116 SE - 132 SE (widen)	\$846
	2116		
16	Renton	Oakesdale, SW 28 - Sunset (new)	\$16,500
17	Renton	SW 27, W Valley - SR-167 (new)	\$8,000
• •	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
18	Tukwila	Southcenter Blvd, T-Line - Grady (realign)	\$7,655
19	Tukwila	W Valley, Strander - I-405 (widen)	\$600
		Total	\$163,938

VALLEY PROGRAM: HIGHEST PRIORITY PROJECTS (NOT IN PRIORITY ORDER)

MAP KEY		PROJECT	COST (\$000)
~~~			\$10,000
20	WSDOT	I-5/S 178 interchange (new)	\$7,000
21		SR-167/SW 27 interchange (new)	\$5,000
22	WSDOT	SR-167/S 192 interchange (new)	\$8,000
23		W Valley, 29 NW - S 277 (widen)	\$6.000
24	WSDOT	W Valley, SR-18 - 15 NW (widen)	\$6,000
25	Auburn	Oravetz, A SE - R SE (widen)	\$1,650
26	Auburn	Kersey, R SE - SCL (widen)	\$1,765
29	Kent	W Valley, S 180 - S 212 (widen)	\$7,100
30	Kent	W Valley, S 212 - S 238 (widen)	\$4,720
31	Kent	W Valley/S 196, S 228 (reconstruct intersections)	\$700
32	Kent	W Valley/James (intersection improvements)	\$300
33	Kent	80 S [Lind SW], S 180 - E Valley (new)	\$600
34	Kent	SE 240, 108 SE - 116 SE (widen)	\$1,320
35	Kent	S 224, SR-515 - SR-167 (new, widen)	\$7,750
36	Vind	SE 277, W Valley - SR-167 (widen)	\$1,155
30 37	King	SE 240, 116 SE - 132 SE (widen)	\$2,469
38	King	140 SE, Pipeline - SR-169 (widen)	\$3,618
39	Penton	SE Puget, Edmonds - SR-169 (new)	\$10,000
40	Renton	SE Puget, Jones - Edmonds (widen)	\$960
41	Renton	Edmonds, SR-169 - NE 3 (new)	\$4,000
42	Renton	SW 43 [S 180]/E Valley (intersection improvements)	\$230
43	Renton	Park N. Bronson N - Garden N (reconstruct)	<b>\$7,0</b> 0ú
44	Renton	Lk WA Blvd, Park - I-405 (reconstruct)	\$4,800
45	Tukvila	Tukwila Pkwy Ext, T-Line - W Valley (new)	\$6,854
46	Tukwila	Interurban, I-5 - NCL (widen)	\$2,070
47	Tukelle	Interurban, I-405 - 1-5 (widen)	\$4,593
48	Tukwila	57 S, S 180 - S 200 (widen)	\$1,853
49	Kent	SE 256, SR-516 - 116 SE (widen)	\$408
49	King	SE 256, SR-516 - 116 SE (widen)	\$492
		Total	\$112,407

VALLEY PROGRAM: HIGH PRIORITY PROJECTS (NOT IN PRIORITY ORDER)

MAP		PROJECT	COST (\$000)	
50	Kent	SE 240/104 SE (intersection improvements)	\$100	
51	King	SE 128, 138 SE - 156 SE (intersection improvements)	\$819	
52	Tukwila	Tukwila Pkwy, W Valley - SW 16 (new)	\$7,000	
53	Tukwila	S 188 Connector (new)	\$5,250	
54	Tukwila	S 180, RR Overxing (new)	\$7,000	
55	Tukwila	Minkler, W Valley - Oakesdale (new)	\$7,000	
56	Tukwila	S 154, 53 S - CL (new)	\$318	
57	Tukwila	Gateway Dr, SR-181 - SR-900 (new)	\$2,831	٠
58	Renton	S 2, Main S - Rainier S (reconstruct)	\$100	
59	Renton	Rainier S @ SR-167 (widen)	<b>\$</b> 600	
60	Renton	Lk WA Blvd, NE 44 - NCL (widen)	\$500	
		Total	\$31.518	

VALLEY PROGRAM: OTHER PROJECTS
(NOT IN PRIORITY ORDER)

## SUMMARY OF COST ESTIMATES (\$ millions)

#### VALLEY PROGRAM

High Priority Projects		\$103.9 \$112.4
Other Projects		\$31.5
	Total .	\$307.9

#### LOCAL PROJECTS

King County		\$6.6
Kent		\$5.1
Renton		\$13.3
Auburn		\$35.8
Tukwila		\$18.7
	Total	\$79.5

PSCOG

SUMMARY OF COST ESTIMATES (\$MILLIONS)

HIGHEST PRIORITY PROJECTS	COST (\$000)
SE 256/132 SE (intersection improvements) SE 128-Sunset, 144 SE - I-405 (signal interconnect)	\$189 \$40
HIGH PRIORITY PROJECTS	
Lea Hill, SE 312 - SE 320 (shoulders) Elliot Bridge, 149 SE - 154 Pl SE (replace) 116 SE, SE 176 - SE 192 (widen) Peasley Canyon, 51 S - Auburn WCL (shoulders)	\$230 \$3,796 \$1,597 \$239
OTHER PROJECTS	
S 277 Bridge @ 59 S (improve) 42 S, S 212 - S 216 (widen) SE 304 Wy, 104 SE - 108 SE (widen)	\$76 \$191 \$224
Total	\$6,582

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KING COUNTY LOCAL PROJECTS

TABLE 5

PSCOG

HIGH PRIORITY PROJECTS		COST (\$000)
64 S, S 212 - S 240 (new) 72 S, S 180 - S 228 (new)		\$2,800 \$1,225
OTHER PROJECTS		
N Central, James - Smith (widen) SR-516, 4 S - Central (widen)		\$780 \$330
	Total	<b>\$5,135</b>

KENT LOCAL PROJECTS

	COST
HIGHEST PRIORITY PROJECTS	(\$000)
SW 16, Lind - Oakesdale (widen)	\$2,200
SW 16, Oakesdale - Monster (widen)	<b>\$770</b>
SW Grady, Rainier - Lind (widen)	\$250
HIGH PRIORITY PROJECTS	
III III III III III III III III III II	
N 1, Park - Burnett (reconstruct)	\$700
Park, Bronson - N 4 (reconstruct)	\$60
Logan, Airport Wy - S 2 (reconstruct)	\$600
S 7, Shattuck - Smithers (new)	\$220
OTHER PROJECTS	
·······	
Raymond, SW 19 - SW 34 (new)	\$2,500
RR Xings, city wide	\$527
Street Overlays, city wide	\$600
SW 19, Lind - Oakesdale (new)	\$400 \$1,200
Longview, SW 27 - SW 41 (new) SW 34, Longview - Oakesdale (new)	<b>\$1,</b> 200 <b>\$400</b>
Lk WA Blvd, NE 44 - NCL (widen)	\$600
Mill, S 2 - S 6 (reconstruct)	<b>\$</b> 500
Edmonds, NE 4 - Sunset (widen)	\$1,800
_ · · · · ,	
	m . 7 . 440. 007
	Total \$13,327

12

**RENTON LOCAL PROJECTS** 

TABLE 7

PSCOG

AUBURN LOCAL PROJECTS		COST (\$000)
HIGHEST PRIORITY PROJECTS		
B NW, 30 NW - 37 NW (widen) I NE, 14 NE - Harvey (widen) I NE, 22 NE - 30 NE (widen) I NE, 30 NE - 35 NE (widen) C SW, Ellingson - 15 SW (widen) 15 NW, W Valley - S 316 (new) 29 NW, B NW - M NW (widen) M NW, 15 NW - 29 NW (widen) H NW, 15 NW - S 277 (new) H NW, Main - 15 NW (widen) B NW, Main - 15 NW (new) 8-9 NE, B NW - Harvey (new) I NE, 35 NE - S 277 (new)		\$500 \$350 \$700 \$150 \$1,925 \$3,300 \$1,000 \$1,100 \$6,650 \$3,200 \$2,200 \$1,200 \$2,500
HIGH PRIORITY PROJECTS		<b>4.27</b>
37 NE, A NE - M NE (widen) 3 SW, C SW - A SE (widen) R SE, Oravetz - 29 SE (widen) F SE, 17 SE - 19 SE (widen) F SE, 25 SE - 29 SE (widen) M NE, Main - 8 NE (widen) M SE, 29 SE - 37 SE (widen) 37 NE, Auburn Wy - I NE (widen)		\$870 \$450 \$760 \$280 \$400 \$932 \$486 \$88
OTHER PROJECTS  Mountain View, W Valley - WCL (shoulder) Auburn Av, Auburn Wy N - Main (widen) Auburn Wy N, Auburn Av - Main (widen) H SE, 17 SE - 21 SE (widen) Clay NW, SR-18 - 15 NW (new) M SE, Main - 29 SE (improve)		\$358 \$740 \$800 \$297 \$4,300 \$220
	Total	\$35,756
PSCOG AUBURN LOCAL PROJECTS		TABLE 8

	COST
HIGHEST PRIORITY PROJECTS	(\$000)
Minkler, Andover Pk W - Southcenter Pkwy (new)	<b>\$3,</b> 569
Southcenter Blvd, T-Line - 62 S (widen)	\$844
S 168, Andover Pk W - Southcenter Pkwy (new)	\$2,846
T-Line Bridge @ I-405 (widen)	\$2,000
HIGH PRIORITY PROJECTS	
Southcenter Pkwy, I-5 - Minkler (widen)	\$2,540
Interurban/SR-599 (ramps, signals)	\$431
Strander/Andover Pk W (intersection improvements)	
Macadam, Southcenter Pkwy - S 144 (improve)	\$1,392
Longacres Wy, SR-181 - CL (improve)	\$401
Tukwila Pkwy/Andover Pk E (signal)	<b>\$149</b>
S 180, 57 S - Andover Pk W (widen)	\$115
S 180/Andover Pk W (intersection improvements)	\$80
OTHER PROJECTS	
S 133 - S 148, 42 S - Interurban (improve)	<b>\$</b> 859
Christensen @ T-Line (improve)	\$280
Strander, Andover Pk W - Green River (widen)	\$493
58 S, Strander - S 168 (improve)	\$1,582
S 168, Andover Pk W - Andover Pk E (improve)	<b>\$</b> 328
Minkler, Andover Pk W - Andover Pk E (improve)	\$651
<b></b>	al \$18,650

TUKWILA LOCAL PROJECTS

Note: This table compares road project cost estimates with rough estimates of the swailability of funding through 2000. For any of the projects, the actual requirements for additional funding (i.e., funding beyond what was estimated to be available) could be as low as the minimum shortfall shown in the table, or as high as the entire project cost. The extent of the actual shortfall will be dependent on a number of factors, including project design and the actual availability of funding when the project is acheduled for construction.

King S King S Kent S Kent S Kent S Kent S King S burn S King S King S Kent S		\$4.1 \$4.9 \$19.3 \$4.0 \$3.0 [ * 1 \$3.2 \$14.3 \$8.5 [ * 1 \$7.8 \$7.8	\$1.0 \$2.5 \$7.7 \$1.6 \$2.3 \$ee below] \$2.3 \$1.4 \$10.7 \$3.4 \$ee below \$0.2 \$1.6	10x 30x 10x 10x 10x 10x 10x 10x 10x	Private  25% 25% 50% 50% 50% 50% 50%
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Estimate of Funding

(ESTIMATED COST, FUNDING AVAILABILITY AND SHORTFALL THRU 2000)

#### RECOMMENDATIONS

The following recommendations were developed and endorsed by the Valley Transportation Committee (VTC) as a whole. The recommendations fall into three main categories: 1) general recommendations, 2) recommended actions related to the legislative process, and 3) recommended actions related to specific projects and groups of projects. The recommendations listed below suggest a range of potential approaches and solutions to a range of technical and financial needs and problems. Some of the recommendations are broadly applicable, while others are narrowly focused. It was not the intention of the VTC to imply that all of the recommendations can be applied anywhere under any circumstances.

#### A. General Recommendations

- 1. The Valley Transportation Committee recommends that King County and the cities of Kent, Renton, Auburn and Tukwila endorse the Green River Valley Transportation Action Plan and its project priority lists (see Figure 2 and Tables 1 10) and its traffic and financial findings and conclusions.
- 2. A "marketing strategy," aimed at publicizing, selling and implementing the GRVTAP recommendations, should be developed and put into action.
- 3. A permanent committee should be created to coordinate the planning, financing and construction of Valley transportation projects, and to lobby for needed legislative changes. Due to the increasing dependence on private sector funding for transportation improvements, such a group should include private sector representatives.
- 4. The PSCOG and WSDOT should undertake a freeway operations study of I-5, I-405 and SR-167, in order to evaluate the ability of the freeway system and its interchanges to accommodate future traffic demand, and to determine the operational feasibility of the various interchange improvement projects included in the GRVTAP.
- 5. In order to maximize the people-carrying capacity of the road system, an assessment of the potential for HOV (high occupancy vehicle) facilities should be included in the planning and , design of all GRVTAP projects. HOV projects for which matching funds may be available from Metro should be identified.

#### B. Recommended Actions: Legislative

- 1. Support an increase in the State Motor Fuel Tax.
- 2. Support creation of a Multi-Agency Arterial Program (MAP). Use the Extraordinary Projects as the Green River Valley's

- supplementing private sector funds obtained through mitigation payments or through a Green River Valley RSD/TBD.
- 6. Area-wide improvement districts, such as Local Improvement Districts (LID's) should be considered if a Green River Valley RSD/TBD is not created.
- 7. Because the segments of S 277th Corridor east of the Green River are expensive and not well-suited to the private funding mechanisms discussed for the Valley, consideration should be given to making them the Valley jurisdictions' (as a united group) top priorities for MAP and for King County 2000, in the event that either of those programs is created. Consideration should also be given to including areas adjacent to such segments in a Green River Valley RSD/TBD.

#### III. TRAFFIC ANALYSIS

#### TRAFFIC ANALYSIS FINDINGS

The findings of the GRVTAP traffic analysis were based not only on the results of the analyses done for GRVTAP, but also on the results of previous studies conducted by PSCOG, by the Valley jurisdictions and by their consultants.

#### Land Use

o The two overriding factors affecting future traffic conditions on the Green River Valley road system are i) the employment growth in the north half of the Valley (Kent and north), and ii) the doubling of population on the Soos Creek Plateau.

#### Cross-Valley Arterials

- o Cross-valley arterials north of Kent are needed to carry Plateau residents to Valley jobs.
- 'o Cross-valley arterial connections to I-5 are needed primarily to carry I-5 traffic to/from Valley employment centers.
- o The provision of cross-valley arterial connections to carry traffic from the Plateau to I-5 (north of Kent) is also important.

#### Valley Arterial Grid

o There will be extremely heavy traffic volumes on the Valley's internal arterial grid; additional links in that grid are needed to adequately handle future traffic.

#### 192nd/196th Corridor

- o The proposed 192nd/196th Corridor will not serve as a reliever of I-405; traffic related to Valley employment will create too much congestion for 192nd/196th to be attractive as an I-405 alternate.
- o The east end of the 192nd/196th Corridor provides Plateau-Valley access, while the west end of the Corridor serves local access traffic and provides I-5 Valley access (it carries little through traffic).

#### Freeway System

- o There will be heavy volumes of Valley-related traffic using all of the I-5 interchanges between SR-516 and Southcenter. The operation of individual interchanges must be assessed within the context of overall freeway system operation; reducing or limiting traffic volumes at one interchange just puts additional pressure on others.
- o As with I-5, SR-167 interchanges will carry heavy volumes of traffic enroute to/from Valley employment centers.
- o A high proportion of SR-167 and I-405 (through Renton) traffic is travelling to/from the Valley or the Plateau.
- o Additional interchanges on SR-167 and I-405 will relieve the pressure that heavy future traffic demand will exert on existing interchanges.

#### Kent-Kangley, 272nd/277th Corridor

- Travel demand to/from the Lake Meridian/South Soos creek area is oriented mainly SE-NW, with a large proportion of the travel directed to jobs in the north half of the Valley; Kent-Kangley Road (SR-516) provides a direct route for this travel.
  - o Future traffic volumes on Kent-Kangley will be excessive; alternate routes are severely limited.
- The northerly alternative for the 277th extension would serve mainly as a by-pass for the Kent-Kangley bottleneck at 104th/256th.
  - o The southerly alternative for the 277th extension would function as a true cross-valley arterial.
  - o The southerly alternative for the 277th extension would be used primarily as an access route to Auburn, to SR-167, and to north-south Valley arterials, as well as to I-5.

#### Auburn

- o A substantial proportion of the traffic travelling between Auburn and I-5 is oriented to/from the north; Peasley Canyon Road serves as a short-cut for this traffic, and its volume 'nearly doubles by 2000. The NW 15th connection will provide some relief, but Year 2000 Peasley Canyon volumes will still be substantially higher than today's volume.
- o The proposed SR-18/"R" Street interchange in Auburn would provide relief to the SR-18/SR-167/SR-181 and SR-18/"C" Street interchanges, and would help balance traffic volumes on the Auburn street network.

#### 8B-509 Extension

o SR-509 will carry little Valley traffic; however the SR-509 extension alternatives do provide some benefit in that they siphon some non-Valley traffic off of I-5 south of the congested Valley-access interchanges.

#### Valley-Bastside Arterial Connections

o Neither the Edmonds Avenue nor the 156th SE extensions north of SR-169 provide an attractive alternate route for I-405 traffic (neither is an effective substitute for the politically infeasible 140th segment of the "Poor Man's I-605"). Edmonds provides only local access, and 156th is too far east, requiring a two-mile detour for traffic travelling to/from 138th SE and Coal Creek Parkway.

#### TRAFFIC ANALYSIS CONCLUSIONS

- 1. Overall projected traffic flows will virtually flood all major arterials, freeways and interchanges in and around the Valley and on the west side of the Plateau (north of Kent).
- 2. The number of I-5, I-405 and SR-167 interchanges serving north Valley employment centers should be maximized in order to better handle the high proportion and heavy volume of traffic enroute to/from the Valley.
- 3. All of the proposed cross-valley arterials are needed to carry traffic from the residential areas on the Plateau to the employment centers in the Valley (even if all are built, they will be overloaded).
- 4. The density of the arterial grid serving the employment centers in the north half of the Valley should be maximized (all of the proposed east-west and north-south arterial segments are needed, but even if all are built, there will still be congestion).
- 5. Although the pressure exerted by future traffic volumes will not be as intense in Auburn as in the north half of the Valley, all of the Auburn projects will be needed to handle traffic growth.
- 6. In order to increase the person-carrying capacity of the Valley road system, consider HOV improvements in the planning and design of all Valley road projects.
- 7. Solutions to future traffic and transportation problems must be sought in land use management, as well as in road construction and in management of the transportation system.

#### IV. FINANCIAL ANALYSIS

#### INTRODUCTION

Implementation of the projects recommended in the Green River Valley Transportation Action Plan is dependent on the availability of adequate funding. Although other obstacles must also be overcome, the projects will not be completed unless there is enough money to pay for them. The financial analysis element of the Green River Valley Transportation Action Plan identifies potential funding sources, assesses the amount of funding potentially available from these sources, and provides a set of findings and conclusions that can be used by the Green River Valley jurisdictions in making funding decisions.

#### FINANCIAL ANALYSIS FINDINGS: FUNDING SOURCES

The financial analysis findings are drawn from a detailed review and assessment of each of the major funding source categories identified. This detailed analysis is published under separate cover in the GRVTAP Technical Appendix. The Technical Appendix also includes a review of current local funding strategies and proposed state legislation.

#### Federal Programs

- o Past federal grants for transportation total \$21.1 million to the four Valley cities and \$29 million to King County.
- o The federal role in funding local transportation projects is declining, but grants from the Federal Aid Urban System, Bridge Replacement, and Federal Aid Safety Programs are expected to remain available. Funding for these three programs is expected to remain at about current levels.
- o A conservative estimate of federal grants for the Valley cities totals \$10.8 million. King County is estimated to receive \$21.9 million from these sources for projects throughout the unincorporated area.
- o An optimistic estimate of federal grants for the Valley cities totals \$14.2 million. King County is estimated to receive \$27.7 million from these sources for projects throughout the unincorporated area.
- o Federal grants are likely to be spread among a large number of projects.

o Only the Federal Aid Urban System (FAUS) program appears applicable to the Extraordinary Projects. Given the small amount available from FAUS, the program should not be expected to fund a large share of the Extraordinary Projects.

#### State Programs: Urban Arterial Program

- o The urban arterial program is the major source of state grants for Green River Valley projects. Past urban arterial grants total \$36 million to the four Valley cities for 59 projects and \$14.2 million to King County for 48 projects throughout the unincorporated area.
- o The program is running out of money. Without a funding increase, only \$20 million in urban arterial grants will be available state-wide during the next biennium and none thereafter.
- o A conservative estimate assumes no new funding and no urban arterial grants for the Action Plan projects.
- o An optimistic estimate assumes a penny per gallon of additional fuel tax funding and grants of \$15.2 million for the Valley cities and \$6 million for King County (for projects throughout the unincorporated area).
- o Additional urban arterial grants are likely to be spread over a number of projects. Grants to King County will be used for projects throughout the unincorporated areas, not just projects in the GRVTAP area.
- o The Extraordinary Projects are eligible, but it is unlikely that urban arterial grants will cover more than a small share of their costs. The program has rarely funded the construction of new arterial corridors.

#### State Programs: Public Works Trust Fund and CBRB

- o The Public Works Trust Fund and the Community Economic Revitalization Board (CERB) make loans for public infrastructure, including transportation projects.
- o Public Works Trust Fund loans have only been available for a year. It is hard to judge the program's potential for financing transportation projects in the Valley.
- o The conservative estimate assumes no loans will be available for Action Plan projects.
- o The optimistic estimate assumes \$2.2 million in loans will be available for city transportation projects and \$12.7 million for King County transportation projects throughout the unincorporated area..

- o Public Works Trust Fund loans will not be available for the Extraordinary Projects. The loans cannot exceed \$1 million for a single project and the program is directed at solving existing infrastructure problems, not at creating new capacity.
- o CERB loans have not been a source for Valley transportation projects in the past and are not expected to play a significant role in the future
- o The joint CERB-WSDOT \$10 million grant program to fund transportation improvements needed to support economic development should be aggressively pursued, especially if it is continued for the next biennium.

#### State Programs: Motor Fuel Tax Distributions

- o The Motor Fuel Tax is a shared revenue that is distributed to the cities and county by a formula. It is the most flexible and reliable source of state and federal revenue for local transportation programs.
- o The County may use the \$11.1 million it receives annually for either maintenance and operations or capital projects throughout the unincorporated areas. The Valley cities may use \$1.2 million of their share for either capital or operations and maintenance, but the remaining \$.7 million must be used for capital purposes.
- o Under the conservative estimate, which assumes a continuation of the current annual distribution, the Valley cities would receive \$24.7 million over the implementation period, with a minimum of \$9.9 million for capital purposes. King County would receive \$144.6 million. A large share of these funds will be needed for operations and maintenance.
- o The optimistic estimate assumes two five-cent fuel tax increases, but no other changes. Distributions to the Valley cities would total \$36.8 million, with a minimum of \$14.7 million for capital purposes. King County would receive \$215.5 million.
- o The Motor Fuel Tax is unlikely to fund more than a limited share of the cost of the Extraordinary Projects. Annual distributions are not large enough and a portion of the 'revenues will be needed for maintenance and operations as well as for smaller capital projects.

#### Local Sources: Taxes

o City and county taxes are a traditional source of funding for local transportation projects. Their importance has diminished over the last two or three decades as other local needs have grown, increasing the competition for general tax revenues.

- o Despite the competition, all of the Valley jurisdictions continue to use a portion of their tax revenues for transportation, especially operations and maintenance.
- o Some actions have been taken to provide additional tax revenues for transportation. Tukwila and Kent have dedicated revenues from specific taxes to capital purposes, including transportation. Auburn has a target for contributing tax revenues for street capital projects. Renton intends to use taxes as local match for federal and state grants. King County has ended the use of revenues from the road levy for non-transportation purposes.
- o The amount of general tax revenue that can be devoted to transportation capital projects is constrained by statutory limits on taxation and by the competing demands for the available revenues.
- o Local taxes are unlikely to be able to fund more than a small share of the cost of the Extraordinary Projects.

#### Local Sources: General Obligation Bonds

- o General obligation bonds have been used infrequently for transportation projects by the four Valley cities. Renton and Tukwila have never used them, Kent has one small, councilmanic issue, and Auburn has two voter approved issues. The second one, for \$5 million, was approved this year.
- o King County voters approved a \$70 million bond issue for arterials in 1967 as part of Forward Thrust. The funds were used to build projects in the cities as well as the unincorporated portions of the county. A second, countywide bond issue for transportation may be proposed as part of "King County 2000".
- o The four Valley cities have a total of \$117 million in remaining statutory debt capacity for general purposes, including transportation. King County has over \$1 billion of remaining statutory debt capacity.
- o Councilmanic debt is serviced from existing revenues. This makes it an unlikely candidate to fund large transportation projects.
- o The Extraordinary Projects could be funded with voter approved bonds. However, the bonds must receive a 60% favorable vote and transportation projects compete with other public facilities that require bond funding.

#### Study Area Sources: LID, Contributions, Mitigation Payments

- o Local improvement districts (LID's), direct contributions, and mitigation payments are the mechanisms currently used to obtain funding from properties within the study area.
- o Much of the funding for local transportation projects will be provided by properties within the study area. They are expected to fund nearly all of the cost of local streets, collector arterials, and improvements needed to mitigate the impact of specific development projects. They are also expected to provide a large share of the costs for major arterials, including the Extraordinary Projects.
- o The Valley jurisdictions have based much of their use of these mechanisms on their authority under the State Environmental Policy Act (SEPA). When the property owner submits a development for review, its potential transportation impacts are identified as part of the environmental analysis. Approval of the development is conditioned on the owner agreeing to pay for the improvements needed to mitigate the identified impacts.
- o This approach to funding benefits the property owners as well as the jurisdictions by enabling transportation improvements to be constructed in a timely manner. It would be very difficult to provide additional transportation capacity in the Green River Valley without funding from study area properties.

#### Study Area Sources: RSD's and TBD's

- o Road Service Districts (RSD's) and Transportation Benefit Districts (TBD's) are two techniques that could enhance the ability of the study area to fund needed transportation projects.
- o RSD's are authorized under existing legislation, though none has been formed in King County. The TBD is part of a package of proposals that will be presented to legislature during the 1987 session.
- o In operation, RSD's and TBD's would be much alike. Both allow the formation of a district, which can be multi-jurisdictional or less than jurisdiction-wide, for the purpose of constructing transportation improvements. Neither has a tax source, but both could finance improvements with voter approved general obligation bonds and LID's. A Green River Valley RSD or TBD would have a statutory debt capacity of about \$50 million.
- o They are not identical. RSD's can only be formed by counties, though they can include land within a city. A TBD could be formed by either a city or a county. TBD's are directed at areas of economic development such as the Green River Valley. RSD's are more general purpose.

o RSD's and TBD's, if approved by the legislature, could be used to fund a major share of the Extraordinary Projects.

## PINANCIAL ANALYSIS FINDINGS: TRANSPORTATION NEEDS AND CURRENT FUNDING STRATEGIES

- o The Green River Valley jurisdictions all have transportation funding strategies that draw on a mixture of sources-- local taxes, federal and state grants, motor fuel tax, and taxes on property within the Valley.
- o Total Green River Valley transportation project needs are over \$380 million.
- o There are a number of priority projects that cannot be funded and built by individual jurisdictions using currently available funding sources. The construction of these "Extraordinary" projects (see Table 10) is of concern to the entire Green River Valley and can only be accomplished through joint action of the Valley cities, King County, and the State.

#### FINANCIAL ANALYBIS CONCLUSIONS

The financial analysis conclusions were based on a comparison of financial analysis findings and the cost estimates for the specific projects included in the GRVTAP priority array (see Tables 1-10).

#### Transportation Needs

- 1. Slightly more than half of the total identified transportation project needs, \$195 million, is needed for eight "Extraordinary Projects" and nine freeway interchange projects. Exclusive of the interchanges, the Extraordinary Projects located within the Green River Valley itself are estimated to cost \$97.1 million.
- 2. Each of the Valley cities and King County have funding strategies that draw on a mixture of sources-- local taxes, federal and state grants, motor fuel tax, and taxes on property within the Valley.
- 3. The Green River Valley jurisdictions' existing transportation funding strategies will be able to fund most of the identified transportation needs. However, they will leave a shortfall of \$112 million for the Extraordinary Projects, including the freeway interchanges. Exclusive of the interchanges, the Extraordinary Projects located within the Green River Valley itself will have a shortfall of \$48.7 million.
- 4. Unless this shortfall is reduced, many of the projects that are needed to support the growth of the Green River Valley

will be delayed -- in some cases until beyond the end of the century.

#### Funding Strategies

- 5. The interchange projects will cost a total of \$66 million, of which \$36.5 million is currently unfunded. Little of this shortfall is likely to be made up through federal and state grants (unless a MAP is created). Local general taxes can also make up only a small share of the needed funds. The costs for some of the projects will have to be shared by the local jurisdictions and the private sector.
- 6. The GRVTAP traffic analysis (i.e., the trip distribution estimates) indicates that a higher private share of costs for the S 192/196, S 224/228 and S 277th Corridors can be justified.
- 7. Even with additional mitigation-derived private sector contributions, there will still be some significant funding shortfalls for Green River Valley projects.
- 8. A Road Service District (RSD) or Transportation Benefit District (TBD) for the Valley would have a statutory debt capacity of about \$50 million. In addition, LID's could be formed. A TBD or RSD could serve as a powerful tool for permitting the private sector to help insure that the construction of the Extraordinary Projects (which are essential to the private sector) can proceed in a timely manner.
- 9. City bond issues also hold potential. They have not been used much in the past, but they could be especially useful for funding the project segments that are not in the Valley. These include Puget-Edmonds in Renton (total cost \$15 million, shortfall \$13.5 million) and the S 200th Connector in Kent (total cost \$3 million, shortfall \$2.3 million). Bond funds could also be used to contribute a share of the cost for projects that are mostly funded through mitigation payments or through a Green River Valley RSD/TBD.
- 10. Area-wide improvement districts are difficult to form, but may be applicable in places. The Tukwila Central Business, District (CBD) is one location that might be able to use an area-wide LID to fund some of the Extraordinary Projects.
- 11. The segments of S 277th to the east of the Green River Valley may be especially difficult to fund. They are expensive and not well-suited to the private funding mechanisms discussed for the Valley.

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