## APPENDIX D

High-Speed, Four-Lane SR 28 Planning-Level Opinion of Cost



\$6,414,000

1

123 Ohme Garden Road, Suite 8, Wenatchee, WA 98801 | P 425.252.7700

## PLANNING LEVEL OPINION OF COST SUMMARY

Project Description:	SR 28 Corridor Study	Client: Chelan-Douglas Transportation Council			
Corridor Section:	SR 28: 3rd ST SE - Batterman Rd, Rock Island Rd	Date: Aug-21			
Location:	Chelan-Douglas Transportation Council	Date of Cost Index: 2022			
Calculate		Calculated By/Entered By: EB			
•		Chacked By: KSW/CIW			

Rural 4-Lane Concept: SR 28 Only **ESTIMATED UNIT** ITEM QTY COST UNIT COST **RIGHT OF WAY** RIGHT OF WAY (urban undeveloped) SF \$8 \$0 TEMPORARY CONSTRUCTION EASEMENTS (urban undeveloped) SF \$2 \$0 ADMINISTRATION (titles, appraisals, negotiations consultant, etc.) \$15,000 12 \$180,000 FΑ **RIGHT OF WAY TOTAL** \$180,000 Inflation **ROW Year Cost Index Future Cost FUTURE ROW COST BASED ON INFLATION RATE** 5% 2027 2022 \$230,000 II. CONSTRUCTION PREPARATION/GRADING/DRAINAGE 1.1 PREPARATION **CLEAR & GRUB, DEMO ACRE** \$5,000 72 \$360,000 90,000 REMOVING EXISTING PAVEMENT SY \$15 \$1,350,000 **REMOVAL STRUCTURES & OBSTRUCTIONS** LS \$250,000 \$250,000 1 1.2 **EARTHWORK** ROADWAY EXCAVATION INCL. HAUL CY\$25 121,000 \$3,025,000 STRUCTURE EX. CL. A INCL. HAUL CY \$45 2,100 \$94,500 STORMWATER MITIGATION 1.3 **DETENTION AND TREATMENT** SF 2,245,000 \$22,450,000 \$10 STORM SEWER 1.4 **CATCH BASIN TYPE 1** \$1,800 EΑ \$0 **CATCH BASIN TYPE 2** EΑ \$5,000 \$0 SCHEDULE A STORM SEWER PIPE 12 IN. DIAM. LF \$65 \$0 SCHEDULE A STORM SEWER PIPE 18 IN. DIAM. LF \$85 \$0 STRUCTURE 2 **RETAINING WALLS (MSE)** SF \$75 \$9,097,500 121,300 **SURFACING** 3 HOT MIX ASPHALT TON \$80 126.000 \$10.080.000 **CRUSHED SURFACING** TON \$35 85,000 \$2,975,000 ROADSIDE DEVELOPMENT 4 TEMP. WATER POLLUTION & EROSION CONTROL (2%) LS \$1,283,000 \$1,283,000 1 5 **TRAFFIC** TRAFFIC BARRIER 1 F \$300 45,000 \$13,500,000 ILLUMINATION \$300,000 LS \$300,000 1 **SIGNING** LS \$86,000 \$86,000 1 **STRIPING** LF \$2 282,900 \$565,800 **CURBS** LF \$45 \$0 \$8,000 **CURB RAMP** \$0 EΑ **SIDEWALKS** SY \$65 \$0

\$6,414,000

LS

TRAFFIC CONTROL (10%)



PLANNING LEVEL OPINION OF COST SUMMARY

	PLANNING LEVEL OPINION	OF COST SUMI				
Project Description:	, i					
Corridor Section:	SR 28: 3rd ST SE - Batterman Rd, Rock Island Rd		Date: Au			
Location:	Chelan-Douglas Transportation Council		Pate of Cost Index: 202	22		
6	OTHER ITEMS					
· ·	SURVEYING (2%)	LS	\$1,283,000		1 \$1,283,000	
	SPECIAL ITEMS	EST	\$1,203,000		1 \$1,203,000	
	UTILITY RELOCATIONS	EST	\$0		1 \$0	
7	SUBTOTAL (ITEMS 1 THRU 6)				\$73,113,800	
8	MOBILIZATION (10%)					
	10% OF ITEM 7	EST	\$7,311,400		1 \$7,311,400	
9	CONSTRUCTION SUBTOTAL (ITEMS 7 & 8)				\$80,425,200	
10	SALES TAX					
11	AGREEMENTS (Utilities, WSP, etc.)	EST	\$0		1 \$0	
12	SUBTOTAL (ITEMS 9 THRU 11)				\$80,425,200	
13	CONTINGENCY (30% OF ITEM 12)	EST	\$24,127,600		1 \$24,127,600	
14	CONSTRUCTION SUBTOTAL (ITEMS 12 & 13)				\$104,552,800	
15	FUTURE CN COST BASED ON INFLATION RATE	Inflation 10%	Const. Year 2029	Cost Index 2022	Future Cost \$203,744,000	
16	CONSTRUCTION ADMINISTRATION					
	CONSTRUCTION ENGINEERING (15% OF ITEM 14)	EST	\$15,683,000		1 \$15,683,000	
	CITY ENGINEERING & ADMINISTRATION (5% OF ITEM 14)	EST	\$5,227,700		1 \$5,227,700	
		Inflation	Const. Year	Cost Index	Future Cost	
17	FUTURE CN ADMIN COST BASED ON INFLATION RATE	5%	2029	2022	\$29,424,000	
III.	PRELIMINARY WORK					
	PRELIMINARY ENGINEERING (15.0% OF ITEM 14)	EST	\$15,683,000		1 \$15,683,000	
	CITY ENGINEERING & ADMINISTRATION (5% OF ITEM 14)	EST	\$5,227,700		1 \$5,227,700	
	ENVIRONMENTAL PERMITS/DOCUMENTS	EST	\$140,000		1 \$140,000	
		Inflation	Design Year	Cost Index	Future Cost	
	FUTURE PE COST BASED ON INFLATION RATE	5%	2025	2022	\$24,369,000	
IV.	TOTAL ESTIMATED COST (ITEMS I, 15, 17, & III)					
	SUB-TOTAL PROJECT COST (BASED ON INFLATION RATE)				\$257,767,000	

## TOTAL PROJECT COST RANGE (BASED ON INFLATION RATE) \$258,000,000

The above opinion of cost is a planning level estimate only. It is based on best available information and scope at the time, not on the results of a detailed engineering study, and is supplied as a budgeting guide only. Perteet Inc. does not guarantee or warrant the accuracy of this planning level estimate.



PLANNING LEVEL OPINION OF COST SUMMARY

Project Description: SR 28 Corridor Study		Client: Chelan-Douglas Transportation Council
Corridor Section: SR 28: 3rd ST SE - Batterman Rd, Rock Island Rd		Date: Aug-21
Location:	Chelan-Douglas Transportation Council	Date of Cost Index: 2022
		Calculated By/Entered By: EB
•		Checked By: KSW/CJW

Loop Trail Exte		ESTIMATED UNIT	<b>0</b> =1/	
RIGHT OF WAY			<b></b>	
RIGHT OF WAY	UNIT	COST		
		CO31	QTY	COST
		4.0		4.0
RIGHT OF WAY (urban undeveloped)	SF	\$8	-	\$0
TEMPORARY CONSTRUCTION EASEMENTS (urban undeveloped)	SF	\$2	-	\$0
ADMINISTRATION (titles, appraisals, negotiations consultant, etc.)	EA	\$15,000	-	\$0
RIGHT OF WAY TOTAL				\$0
	Inflation	ROW Year	Cost Index	Future Cost
FUTURE ROW COST BASED ON INFLATION RATE	5%	2027	2022	\$0
CONSTRUCTION				
PREPARATION/GRADING/DRAINAGE				
PREPARATION				
CLEAR & GRUB, DEMO	ACRE	\$5,000	14	\$70,000
REMOVING EXISTING PAVEMENT	SY	\$15	-	\$0
REMOVAL STRUCTURES & OBSTRUCTIONS	LS	\$50,000	1	\$50,000
EARTHWORK				
ROADWAY EXCAVATION INCL. HAUL	CY	\$25	23,000	\$575,000
STRUCTURE EX. CL. A INCL. HAUL	CY	\$45	-	\$0
STORMWATER MITIGATION				
DETENTION AND TREATMENT	SF	\$10	307,200	\$3,072,000
STORM SEWER				
	FA	\$1.800	_	\$0
			_	\$0
			_	\$0
SCHEDULE A STORM SEWER PIPE 18 IN. DIAM.	LF	\$85	-	\$0
STRUCTURE				
RETAINING WALLS (MSE)	SF	\$75	-	\$0
SUBFACING				
	TON	¢en	6 800	\$544,000
	_	·	•	\$427,000
CHOSHED SONFACING	1011	<b>433</b>	12,200	Ş427,000
ROADSIDE DEVELOPMENT				
TEMP. WATER POLLUTION & EROSION CONTROL (2%)	LS	\$95,000	1	\$95,000
TRAFFIC				
TRAFFIC BARRIER	LF	\$300	-	\$0
ILLUMINATION	LS	\$0	1	\$0
SIGNING	LS	\$10,000	1	\$10,000
STRIPING	LF	\$2	-	\$0
CURBS	LF	\$45	-	\$0
CURB RAMP	EA	\$8,000	-	\$0
SIDEWALKS	SY	\$65	-	\$0
TRAFFIC CONTROL (5%)	LS	\$238,000	1	\$238,000
2	PREPARATION/GRADING/DRAINAGE PREPARATION CLEAR & GRUB, DEMO REMOVING EXISTING PAVEMENT REMOVAL STRUCTURES & OBSTRUCTIONS  E EARTHWORK ROADWAY EXCAVATION INCL. HAUL STRUCTURE EX. CL. A INCL. HAUL STORMWATER MITIGATION DETENTION AND TREATMENT  STORM SEWER CATCH BASIN TYPE 1 CATCH BASIN TYPE 2 SCHEDULE A STORM SEWER PIPE 12 IN. DIAM. SCHEDULE A STORM SEWER PIPE 18 IN. DIAM. STRUCTURE RETAINING WALLS (MSE)  SURFACING HOT MIX ASPHALT CRUSHED SURFACING  ROADSIDE DEVELOPMENT TEMP. WATER POLLUTION & EROSION CONTROL (2%)  TRAFFIC TRAFFIC BARRIER ILLUMINATION SIGNING STRIPING CURBS CURB RAMP SIDEWALKS	CONSTRUCTION PREPARATION/GRADING/DRAINAGE PREPARATION  CLEAR & GRUB, DEMO ACRE REMOVING EXISTING PAVEMENT SY REMOVAL STRUCTURES & OBSTRUCTIONS LS  PARTHWORK  ROADWAY EXCAVATION INCL. HAUL CY STRUCTURE EX. CL. A INCL. HAUL CY STORMWATER MITIGATION DETENTION AND TREATMENT SF  STORM SEWER CATCH BASIN TYPE 1 EA CATCH BASIN TYPE 2 EA SCHEDULE A STORM SEWER PIPE 12 IN. DIAM. LF SCHEDULE A STORM SEWER PIPE 18 IN. DIAM. LF  STRUCTURE RETAINING WALLS (MSE) SF  SURFACING HOT MIX ASPHALT TON CRUSHED SURFACING TON  ROADSIDE DEVELOPMENT TEMP. WATER POLLUTION & EROSION CONTROL (2%) LS  TRAFFIC  TRAFFIC ILLUMINATION LS SIGNING LS STRIPING LF CURBS CURB RAMP SIDEWALKS SY	FUTURE ROW COST BASED ON INFLATION RATE  CONSTRUCTION  PREPARATION/GRADING/DRAINAGE PREPARATION  CLEAR & GRUB, DEMO ACRE \$5,000 REMOVING EXISTING PAVEMENT SY \$15 REMOVAL STRUCTURES & OBSTRUCTIONS LS \$50,000  EARTHWORK ROADWAY EXCAVATION INCL. HAUL CY \$25 STRUCTURE EX. CL. A INCL. HAUL CY \$45 STRUCTURE EX. CL. A INCL. HAUL SF \$10 STORMWATER MITIGATION DETENTION AND TREATMENT SF \$10 STORM SEWER CATCH BASIN TYPE 1 EA \$1,800 CATCH BASIN TYPE 1 EA \$5,000 SCHEDULE A STORM SEWER PIPE 12 IN. DIAM. LF \$65 SCHEDULE A STORM SEWER PIPE 18 IN. DIAM. LF \$85 STRUCTURE RETAINING WALLS (MSE) SF \$75  SURFACING HOT MIX ASPHALT TON \$80 CRUSHED SURFACING TON \$35  ROADSIDE DEVELOPMENT TEMP. WATER POLLUTION & EROSION CONTROL (2%) LS \$95,000  TRAFFIC TRAFFIC SARRIER LF \$300 LLUMINATION LS \$0 SIGNING LS \$10,000 STRIPING LF \$2 CURB SAMP EA \$8,000 SIDEWALKS SY \$65	FUTURE ROW COST BASED ON INFLATION RATE



PLANNING LEVEL OPINION OF COST SUMMARY

	PLANNING LEVEL OPINION	OF COST SUM			
Project Description:				elan-Douglas Transpor	tation Council
Corridor Section:	SR 28: 3rd ST SE - Batterman Rd, Rock Island Rd		Date: Aug		
Location:	Chelan-Douglas Transportation Council		Date of Cost Index: 202	22	_
6	OTHER ITEMS				
U	SURVEYING (2%)	LS	\$95,000		1 \$95,000
	· ·	EST			' '
	SPECIAL ITEMS		\$0 \$0		, -
	UTILITY RELOCATIONS	EST	\$0		1 \$0
7	SUBTOTAL (ITEMS 1 THRU 6)				\$5,176,000
8	MOBILIZATION (10%)				
	10% OF ITEM 7	EST	\$517,600		1 \$517,600
	20/0 01 112111 /	20.	ψο17,000		φσ1.,σσσ
9	CONSTRUCTION SUBTOTAL (ITEMS 7 & 8)				\$5,693,600
10	SALES TAX				
11	AGREEMENTS (Utilities, WSP, etc.)	EST	\$0	:	1 \$0
12	SUBTOTAL (ITEMS 9 THRU 11)				\$5,693,600
13	CONTINGENCY (30% OF ITEM 12)	EST	\$1,708,100		1 \$1,708,100
14	CONSTRUCTION SUBTOTAL (ITEMS 12 & 13)				\$7,401,700
		Inflation	Const. Year	Cost Index	Future Cost
4.5	FUTURE ON COST BASED ON INCLATION BATE				
15	FUTURE CN COST BASED ON INFLATION RATE	10%	2029	2022	\$14,424,000
16	CONSTRUCTION ADMINISTRATION				
	CONSTRUCTION ENGINEERING (15% OF ITEM 14)	EST	\$1,110,300		1 \$1,110,300
	CITY ENGINEERING & ADMINISTRATION (5% OF ITEM 14)	EST	\$370,100		1 \$370,100
	err Erontelante a romanismon (5% or riem 11)	23.	<b>7370,100</b>		γ370,100
		Inflation	Const. Year	Cost Index	Future Cost
17	FUTURE CN ADMIN COST BASED ON INFLATION RATE	5%	2029	2022	\$2,084,000
III.	PRELIMINARY WORK				
111-	PRELIMINARY WORK PRELIMINARY ENGINEERING (15.0% OF ITEM 14)	EST	\$1,110,300		1 \$1,110,300
		EST			1 / -/
	CITY ENGINEERING & ADMINISTRATION (5% OF ITEM 14)		\$370,100		1/
	ENVIRONMENTAL PERMITS/DOCUMENTS	EST	\$140,000	:	1 \$140,000
		Inflation	Design Year	Cost Index	Future Cost
	FUTURE PE COST BASED ON INFLATION RATE	5%	2025	2022	\$1,876,000
IV.	TOTAL ESTIMATED COST (ITEMS I, 15, 17, & III)				
	SUB-TOTAL PROJECT COST (BASED ON INFLATION RATE)				\$18,384,000
	JOB-TOTAL FROJECT COST (BASED ON INFLATION RATE)				310,304,000

## TOTAL PROJECT COST RANGE (BASED ON INFLATION RATE) \$19,000,000

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PLANNING LEVEL OPINION OF COST SUMMARY

Project Description: SR 28 Corridor Study		Client: Chelan-Douglas Transportation Council
Corridor Section:	SR 28: 3rd ST SE - Batterman Rd, Rock Island Rd	Date: May-22
Location:	Chelan-Douglas Transportation Council	Date of Cost Index: 2022
		Calculated By/Entered By: RLO
		Checked By: BMP

				Checked By: BM	IP				
		RIR E-W Widening Only							
				STIMATED UNIT					
		ITEM	UNIT	COST	QTY	COST			
l.		RIGHT OF WAY							
		RIGHT OF WAY (urban undeveloped)	SF	\$8	103,800	\$830,400			
		TEMPORARY CONSTRUCTION EASEMENTS (urban undeveloped)	SF	\$2	418,800	\$837,600			
		ADMINISTRATION (titles, appraisals, negotiations consultant, etc.)	EA	\$15,000	17	\$255,000			
		RIGHT OF WAY TOTAL				\$1,923,000			
			Inflation	ROW Year	Cost Index	Future Cost			
		FUTURE ROW COST BASED ON INFLATION RATE	5%	2027	2022	\$2,455,000			
II.		CONSTRUCTION							
1		PREPARATION/GRADING/DRAINAGE							
	1.1	PREPARATION							
		CLEAR & GRUB, DEMO	ACRE	\$5,000	18	\$90,000			
		REMOVING EXISTING PAVEMENT	SY	\$15	8,000	\$120,000			
		REMOVAL STRUCTURES & OBSTRUCTIONS	LS	\$250,000	1	\$250,000			
	1.2	EARTHWORK	<b>6</b> 14	425	25.000	4625.000			
		ROADWAY EXCAVATION INCL. HAUL	CY	\$25	25,000	\$625,000			
		STRUCTURE EX. CL. A INCL. HAUL	CY	\$45	600	\$27,000			
	1.3	STORMWATER MITIGATION							
		DETENTION AND TREATMENT	SF	\$10	264,200	\$2,642,000			
	1.4	STORM SEWER							
		CATCH BASIN TYPE 1	EA	\$1,800	696	\$1,252,800			
		CATCH BASIN TYPE 2	EA	\$5,000	174	\$870,000			
		SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.	LF	\$65	13,910	\$904,150			
		SCHEDULE A STORM SEWER PIPE 18 IN. DIAM.	LF	\$85	69,520	\$5,909,200			
2		STRUCTURE							
-		RETAINING WALLS (MSE)	SF	\$75	17,500	\$1,312,500			
		- ' '		, -	,	1 /2 /222			
3		SURFACING	TON	\$80	0.200	¢c=c 000			
		HOT MIX ASPHALT CRUSHED SURFACING	TON	\$80 \$35	8,200 46,400	\$656,000 \$1,624,000			
		CROSHED SORFACING	1011	<b>733</b>	40,400	\$1,024,000			
4		ROADSIDE DEVELOPMENT							
		TEMP. WATER POLLUTION & EROSION CONTROL (2%)	LS	\$471,000	1	\$471,000			
5		TRAFFIC							
		TRAFFIC BARRIER	LF	\$300	-	\$0			
		ILLUMINATION	LS	\$0	1	\$0			
		SIGNING	LS	\$67,000	1	\$67,000			
		STRIPING	LF	\$2	151,900	\$303,800			
		CURBS	LF	\$45	69,600	\$3,132,000			
		CURB RAMP	EA	\$8,000	146	\$1,168,000			
		SIDEWALKS	SY	\$65	39,600	\$2,574,000			
		TRAFFIC CONTROL (10%)	LS	\$2,353,000	1	\$2,353,000			



PLANNING LEVEL OPINION OF COST SUMMARY

	PLANNING LEVEL OPINIO	N OF COST SUM			
Project Description:	·			elan-Douglas Transpor	tation Council
Corridor Section:	SR 28: 3rd ST SE - Batterman Rd, Rock Island Rd		Date: Ma		
Location:	Chelan-Douglas Transportation Council	D	Pate of Cost Index: 202	22	
6	OTHER ITEMS				
U	SURVEYING (2%)	LS	\$471,000	1	\$471,000
	SPECIAL ITEMS	EST	\$471,000	-	, ,
	UTILITY RELOCATIONS	EST	\$0 \$0		L \$0
	OTILITY RELOCATIONS	EST	ŞU	-	L 30
7	SUBTOTAL (ITEMS 1 THRU 6)				\$26,822,450
8	MOBILIZATION (10%)				
	10% OF ITEM 7	EST	\$2,682,300	1	\$2,682,300
9	CONSTRUCTION SUBTOTAL (ITEMS 7 & 8)				\$29,504,750
10	SALES TAX				
11	AGREEMENTS (Utilities, WSP, etc.)	EST	\$0	1	\$0
12	SUBTOTAL (ITEMS 9 THRU 11)				\$29,504,750
13	CONTINGENCY (30% OF ITEM 12)	EST	\$8,851,500		1 \$8,851,500
14	CONSTRUCTION SUBTOTAL (ITEMS 12 & 13)				\$38,356,250
		Inflation	Const. Year	Cost Index	Future Cost
15	FUTURE CN COST BASED ON INFLATION RATE	10%	2029	2022	\$74,746,000
16	CONSTRUCTION ADMINISTRATION				
	CONSTRUCTION ENGINEERING (15% OF ITEM 14)	EST	\$5,753,500	1	\$5,753,500
	CITY ENGINEERING & ADMINISTRATION (5% OF ITEM 14)	EST	\$1,917,900		\$1,917,900
	· · · · · · · · · · · · · · · · · · ·		<i>+-,,</i>		<i>+-/</i>
		Inflation	Const. Year	Cost Index	Future Cost
17	FUTURE CN ADMIN COST BASED ON INFLATION RATE	5%	2029	2022	\$10,795,000
	PDF I MAIN A DV MODIY				
III.	PRELIMINARY WORK	EST	ĆE 752 500	,	\$5.753.500
	PRELIMINARY ENGINEERING (15.0% OF ITEM 14)		\$5,753,500		1 - 7 7
	CITY ENGINEERING & ADMINISTRATION (5% OF ITEM 14)	EST	\$1,917,900	1	, ,- ,
	ENVIRONMENTAL PERMITS/DOCUMENTS	EST	\$230,000	1	\$230,000
		Inflation	Design Year	Cost Index	Future Cost
	FUTURE PE COST BASED ON INFLATION RATE	5%	2025	2022	\$9,147,000
IV.	TOTAL ESTIMATED COST (ITEMS I, 15, 17, & III)				40
	SUB-TOTAL PROJECT COST (BASED ON INFLATION RATE)				\$97,143,000

TOTAL PROJECT COST RANGE (BASED ON INFLATION RATE) \$98,000,000

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PLANNING LEVEL OPINION OF COST SUMMARY

Project Description:	SR 28 Corridor Study	Client: Chelan-Douglas Transportation Council
Corridor Section:	SR 28: 3rd ST SE - Batterman Rd, Rock Island Rd	Date: May-22
Location:	Chelan-Douglas Transportation Council	Date of Cost Index: 2022
		Calculated By/Entered By: RLO
		Checked By: BMP

				Checked By: BM	IP				
		RIR: Connection Concept							
				ESTIMATED UNIT					
		ITEM	UNIT	COST	QTY	COST			
l.		RIGHT OF WAY							
		RIGHT OF WAY (urban undeveloped)	SF	\$8	215,000	\$1,720,000			
		TEMPORARY CONSTRUCTION EASEMENTS (urban undeveloped)	SF	\$2	60,000	\$120,000			
		ADMINISTRATION (titles, appraisals, negotiations consultant, etc.)	EA	\$15,000	5	\$75,000			
		RIGHT OF WAY TOTAL				\$1,915,000			
			1(1	DOW V	Cont. In alon	Fortuna Const			
		FUTURE ROW COST RASER ON INSIDATION RATE	Inflation	ROW Year	Cost Index	Future Cost			
		FUTURE ROW COST BASED ON INFLATION RATE	5%	2027	2022	\$2,445,000			
II.		CONSTRUCTION							
1		PREPARATION/GRADING/DRAINAGE							
	1.1	PREPARATION							
		CLEAR & GRUB, DEMO	ACRE	\$5,000	6	\$30,000			
		REMOVING EXISTING PAVEMENT	SY	\$15	-	\$0			
		REMOVAL STRUCTURES & OBSTRUCTIONS	LS	\$250,000	1	\$250,000			
	4.5								
	1.2	EARTHWORK  ROADWAY EXCAVATION INCL. HAUL	CY	\$25	10,000	\$250,000			
		STRUCTURE EX. CL. A INCL. HAUL	CY	\$25 \$45	3,200	\$144,000			
		STRUCTURE EX. CL. A INCL. HAVE	CI	243	3,200	\$144,000			
	1.3	STORMWATER MITIGATION							
		DETENTION AND TREATMENT	SF	\$10	160,000	\$1,600,000			
	1.4	STORM SEWER							
		CATCH BASIN TYPE 1	EA	\$1,800	55	\$99,000			
		CATCH BASIN TYPE 2	EA	\$5,000	15	\$75,000			
		SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.	LF	\$65	1,100	\$71,500			
		SCHEDULE A STORM SEWER PIPE 18 IN. DIAM.	LF	\$85	5,500	\$467,500			
2		STRUCTURE							
		RETAINING WALLS (MSE)	SF	\$75	30,800	\$2,310,000			
3		SURFACING							
		HOT MIX ASPHALT	TON	\$80	3,300	\$264,000			
		CRUSHED SURFACING	TON	\$35	14,200	\$497,000			
4		DOADCIDE DEVELORMENT							
4		ROADSIDE DEVELOPMENT  TEMP. WATER POLLUTION & EROSION CONTROL (2%)	LS	\$137,000	1	\$137,000			
		TEINIF. WATER POLLOTION & EROSION CONTROL (2%)	L3	\$137,000	1	\$157,000			
5		TRAFFIC							
		TRAFFIC BARRIER	LF	\$300	-	\$0			
		ILLUMINATION	LS	\$0	1	\$0			
		SIGNING	LS	\$10,000	1	\$10,000			
		STRIPING	LF	\$2	21,000	\$42,000			
		CURBS	LF	\$45	11,000	\$495,000			
		CURB RAMP	EA	\$8,000	-	\$0			
		SIDEWALKS	SY	\$65	3,700	\$240,500			
		TRAFFIC CONTROL (1%)	LS	\$69,000	1	\$69,000			



\$29,000,000

123 Ohme Garden Road, Suite 8, Wenatchee, WA 98801 | P 425.252.7700

PLANNING LEVEL OPINION OF COST SUMMARY

	PLANNING LEVEL OPINIO	N OF COST SUM			
Project Description:	·			elan-Douglas Transpor	tation Council
Corridor Section:	SR 28: 3rd ST SE - Batterman Rd, Rock Island Rd		Date: Ma		
Location:	Chelan-Douglas Transportation Council		Date of Cost Index: 202	22	
6	OTHER ITEMS				
ŭ	SURVEYING (2%)	LS	\$137,000	1	\$137.000
	SPECIAL ITEMS	EST	\$137,000	1	, - ,
	UTILITY RELOCATIONS	EST	\$0 \$0	1	
	OTILITY RELOCATIONS	E31	ŞU	-	L 30
7	SUBTOTAL (ITEMS 1 THRU 6)				\$7,188,500
8	MOBILIZATION (10%)				
	10% OF ITEM 7	EST	\$718,900	1	\$718,900
					. ,
9	CONSTRUCTION SUBTOTAL (ITEMS 7 & 8)				\$7,907,400
10	SALES TAX				
11	AGREEMENTS (Utilities, WSP, etc.)	EST	\$0	1	L \$0
12	SUBTOTAL (ITEMS 9 THRU 11)				\$7,907,400
13	CONTINGENCY (30% OF ITEM 12)	EST	\$2,372,300		1 \$2,372,300
14	CONSTRUCTION SUBTOTAL (ITEMS 12 & 13)				\$10,279,700
17	CONSTRUCTION SOBTOTAL (TILMS 12 & 13)				710,273,700
		Inflation	Const. Year	Cost Index	Future Cost
15	FUTURE CN COST BASED ON INFLATION RATE	10%	2029	2022	\$20,033,000
16	CONSTRUCTION ADMINISTRATION				
10	CONSTRUCTION ENGINEERING (15% OF ITEM 14)	EST	\$1,542,000	1	\$1,542,000
	CITY ENGINEERING & ADMINISTRATION (5% OF ITEM 14)	EST	\$1,542,000	1	
	CITT ENGINEERING & ADMINISTRATION (3% OF ITEM 14)	E31	<b>3314,000</b>	-	3514,000
		Inflation	Const. Year	Cost Index	Future Cost
17	FUTURE CN ADMIN COST BASED ON INFLATION RATE	5%	2029	2022	\$2,893,000
III.	PRELIMINARY WORK				
	PRELIMINARY ENGINEERING (15.0% OF ITEM 14)	EST	\$1,542,000	1	l \$1,542,000
	CITY ENGINEERING & ADMINISTRATION (5% OF ITEM 14)	EST	\$514,000	1	\$514,000
	ENVIRONMENTAL PERMITS/DOCUMENTS	EST	\$230,000	1	\$230,000
		Inflation	Design Year	Cost Index	Future Cost
	FUTURE PE COST BASED ON INFLATION RATE	5%	2025	2022	\$2,647,000
		3/0	2023		72,047,000
IV.	TOTAL ESTIMATED COST (ITEMS I, 15, 17, & III)				
	SUB-TOTAL PROJECT COST (BASED ON INFLATION RATE)				\$28,018,000
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The above opinion of cost is a planning level estimate only. It is based on best available information and scope at the time, not on the results of a detailed engineering

TOTAL PROJECT COST RANGE (BASED ON INFLATION RATE)

study, and is supplied as a budgeting guide only. Perteet Inc. does not guarantee or warrant the accuracy of this planning level estimate.