Appendix B I-69 PDAT User Guide and Outputs

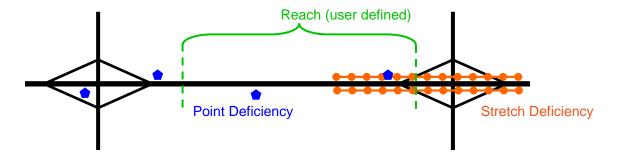
OVERVIEW

The I-69 PDAT (Project Development Analysis Tool) workbook is designed to provide KYTC staff an interactive tool to define projects and estimate costs based on existing deficiencies along the I-69 corridor. Users have the ability to define project reaches, select deficiencies to fix or omit, designate funding categories, and review cost summary data.

INTRODUCTION

Deficiencies, identified as part of the I-69 Strategic Corridor Planning Study, are separated into two distinct types: point features and stretches. Point features occur at a specific location which would logically be addressed as a part of a single project; costs are typically lump-sum values. Deficiency stretches are features which occur over a longer length of the corridor; costs are based on per-mile rates.

Reaches are the milepoint boundaries for a project. The user has the ability to define reaches along each parkway and to change them throughout the process. All the deficiencies falling within the milepoint limits of a reach will be included in the cost to fix that reach.



Point Deficiencies

Narrow Structures
Low Overpasses
Ramp Tapers
Guardrail End Treatments
Interchange Spacing
Toll Interchanges

Stretch Deficiencies

Shoulder Widths Cross Slopes Median Widths Each deficiency displays whether it is one of the 13 potential FHWA design exceptions or a design variance based on AASHTO/KYTC standards. Each deficiency can also be identified as a funding/priority category:

- <u>I-69 Priority Improvements</u> are necessary for interstate compliance¹; these deficiencies should be addressed unless a design exception is permitted in select cases;
- <u>3R Improvements</u> are recommended to be addressed as a component of routine route maintenance; and
- <u>4R Improvements</u> are recommended to be addressed in major reconstruction projects, scheduled whenever adjacent features/areas require replacement.

An additional "Recommended Fix" column allows the user to select if a given deficiency should be included in the User Select Build Scenario (the set of features included in the current build package, based on user-input recommendations). For comparison, the Full Build Scenario cost estimates are provided throughout the summary information. An additional option in this column allows the user to track which project components have already been constructed; these items are not included in further cost estimates.

Based on the Phase II Strategic Planning Study, a final column also presents the priority category for each deficiency. The following categories were developed:

- Priority 1 Substantive improvements to address capacity or safety issues along the parkways regardless of I-69 designation
- Priority 2 Regulatory improvements to bring deficiencies into interstate compliance, with the exception of granted FHWA DE
- Priority 3 Regulatory improvements to address remaining noncompliant features, including previously exempted DE with the exception of systems interchanges
- Priority 4 Systems interchanges

Following these inputs by the user, the model provides a set of summary cost tables. These tables include:

- Summary of Parkway by County for the User Selected Build Scenario
- Summary of Parkway by Deficiency Type for both the User Selected and Full Build Scenarios
- Summary of Parkway by Funding Category for both the User Selected and Full Build Scenarios
- Summary of Parkway by Priority Category for both the User Selected and Full Build Scenarios
- Summary of Reach by Deficiency Type for both User Selected and Full Build Scenarios

WORKBOOK COMPONENTS

The tool is divided into two primary sections. The first five green tabs contain input fields where the user can define reaches and select deficiencies for inclusion. The

¹ Compliance based on 2005 AASHTO publication A Policy on Design Standards: Interstate System

remaining three yellow tabs provide cost summary outputs for both the Full Build and User Select Build Scenarios. Additional supporting information is contained in any following tabs. User input cells are indicated by a green fill.



The <u>REACHES</u> tab provides the user an opportunity to set project reaches, defined by milepoints along each parkway. The Breathitt and Ford Parkways are separate entities; a

single reach cannot include portions of both parkways. The tool is set up to divide the entire length of each parkway into reaches. Up to 22 reaches per parkway can be defined and named, ordered sequentially by increasing milepoint designations. A quick summary of costs for the User Select Build Scenario is presented on this tab as well.

The <u>POINTS</u> tab lists each identified point-type deficiency located within the study limits along the two parkways.

Breathitt/Pennyrile Parkway MP 34.271 (Ford) to MP 76.258 (KY 425)

Study Area Boundaries:

Ford/Western KY Parkway MP 0.0 (I-24) to

MP 38.332 (Breathitt)

Each row references a location, a length, the AASHTO requirement for the particular feature, whether it is a potential design exception or not, a funding category, the associated cost, and which project reach the point feature falls within. The user may select if any point feature will be included or omitted by selecting Yes/No in the "Recommended Fix" column. If a point deficiency has already been corrected, selecting Completed in this column will cause this feature to be removed from all cost estimates.

	А	В	С	D	E	F
1	Direction	Parkway	County	MP	Def Type	Existing Length (ft)
2	SB	ETB	Hopkins	35.5	Sort Ascending	50
3	SB	ETB	Hopkins	37	Sort Descending	\ [\] 50
4	NB	ETB	Hopkins	37.07	ran	0
5	NB	ETB	Hopkins	37.07	(Top 10)	0
6	SB	ETB	Hopkins	37.07	(Custom)	0
7	SB	ETB	Hopkins	37.07	Brush-block bridge Interchange - Toll Config	0
8	SB	ETB	Hopkins	39.794	Interchange Spacing	1000
9	NB	ETB	Hopkins	42.418	Narrow bridge	192
10	NB	ETB	Hopkins	42.418	Narrow Brush-block bridge	0
11	NB	ETB	Hopkins	42.418	Overpass Vertical Clearance Ramp Accel	0
12	SB	ETB	Hopkins	42.418	Ramp Decel	192
13	SB	ETB	Hopkins	42.418	Type 3 GR	0
14	SB	ETB	Hopkins	42.418	Type 7 GR Vertical curve	0
15	NB	ETB	Hopkins	43.438	(Blanks)	159
16	SB	ETB	Hopkins	43.438	(NonBlanks)	159
17		ETB	Hopkins	43.674	Vertical curve	SSD = 595 ft
18	NB	ETB	Hopkins	44.337	Ramp Accel	0 [2]

For faster data manipulation, the AutoFilter command may be used by clicking the arrow in the corner of the "Deficiency Type" column header box in the POINTS tab. This brings down a drop list; highlighting a single deficiency type will show all of that type of deficiencies. For example, selecting "Vertical Curve" will show only the

vertical curve entries. Select "(All)" from the drop list to again view all entries.

It is important to note that the recommended fix option for each deficiency is independent of every other deficiency. The user should be cognizant of this when selecting features to be fixed and make selections accordingly. For instance, selecting to widen a shoulder would impact any guardrail falling within the area, so the user must include these in the select build scenario.

The <u>STRETCH INFO</u> tab defines the stretch-type features located on each parkway, providing the actual ranges where the deficiencies occur. AASHTO requirements, the potential for a design exception, and the total cost for the deficiency type by parkway are provided on this page as well. The funding category is set by the user for each stretch deficiency on this page.

Though pavement rehabilitation is not explicitly required by AASHTO standards, a rehabilitation cost estimate is provided on this tab based on 2006 KYTC construction costs to provide a more accurate investment scenario. Standard linear guardrail rehabilitation (excluding the replacement of deficient end treatment types) is included in this cost.

The <u>STRETCH CALCS</u> tab performs the calculations to distribute the stretch features between reaches. It shows lengths and costs for each of the stretch deficiencies. This page allows the user to select if a feature will or will not be costed for each reach by selecting Yes/No/Completed in the "Recommended Fix" column. Location-specific stretch recommendations should be updated if reach boundaries are changed.

The <u>SYSTEMS INTS</u> tab provides summary graphics and information about each of the two systems interchanges. Due to the complexity and magnitude of these two locations, they are not included in the cost estimates for either parkway but are pulled out as standalone entities. A cell for each interchange lets the user determine if the system should be included in the select build scenario.

The <u>DETAIL SUMMARIES</u> tab provides multiple cost summary tables. In most cases, a User Selected Build Scenario (orange) summary and a Full Build Scenario (blue) summary are provided for comparison. On this page, costs are shown at a parkway level by deficiency type, by county, and by priority/funding category.

The remaining two output tabs, <u>DEF BY REACH</u> and <u>DEF BY REACH FULL BUILD</u> provide more detailed cost data for each reach for the User Selected and Full Build Scenarios, respectively. These tables present the cost to fix each deficiency type within a given reach. For example, \$4,000 may be required in Reach ABC to widen the narrow structures falling within that milepoint range.

The <u>COST ASSUMPTIONS</u> tab provides an overview of the dollar values assigned to fix certain deficiency types. Bridge widening, vertical realignment, ramp taper lengthening, vertical clearance, and interchange reconstruction costs were determined on a case-by-case basis are therefore shown only in the list on the POINTS tab. Additional details on the costing methodology may be found in the Design Exceptions notebook. All costs given are in 2007 dollars.

Tables B.1 and B.2
Defined reaches for Breathitt and Ford Parkways, WSA recommendations

Reaches on ETB

BMP	EMP	Reach Name	County	Tota	al Point Cost	Tota	I Stretch Cost	Tota	al Reach Cost
34.271	36.52	B1	Hopkins	\$	3,500	\$	3,530,930	\$	3,534,430
36.52	37.62	Exit 37	Hopkins	\$	3,430,500	\$	1,727,000	\$	5,157,500
37.62	39.244	B2	Hopkins	\$	-	\$	2,549,680	\$	2,549,680
39.244	40.344	Exit 40	Hopkins	\$	676,000	\$	1,727,000	\$	2,403,000
40.344	41.868	B3	Hopkins	\$	-	\$	2,392,680	\$	2,392,680
41.868	43.27	Exit 42	Hopkins	\$	532,000	\$	2,201,140	\$	2,733,140
43.27	44.671	Exit 44	Hopkins	\$	330,000	\$	2,199,570	\$	2,529,570
44.671	45.771	Exit 45	Hopkins	\$	670,000	\$	1,727,000	\$	2,397,000
45.771	48.429	B4	Hopkins	\$	-	\$	4,007,860	\$	4,007,860
48.429	49.529	Exit 49	Hopkins	\$	105,000	\$	1,650,000	\$	1,755,000
49.529	53.52	B5	Hopkins	\$	400,000	\$	5,986,500	\$	6,386,500
53.52	54.62	Exit 54	Hopkins	\$	245,500	\$	1,650,000	\$	1,895,500
54.62	55.003	B6	Hopkins	\$	9,000	\$	574,500	\$	583,500
55.003	62.807	B7	Webster	\$	286,000	\$	11,706,000	\$	11,992,000
62.807	63.187	Exit 63	Webster	\$	-	\$	570,000	\$	570,000
63.187	65.305	B8	Webster	\$	104,000	\$	3,177,000	\$	3,281,000
65.305	67.813	B9	Henderson	\$	40,000	\$	3,762,000	\$	3,802,000
67.813	68.913	Exit 68	Henderson	\$	100,000	\$	1,650,000	\$	1,750,000
68.913	75.634	B10	Henderson	\$	40,000	\$	10,081,500	\$	10,121,500
75.634	76.258	Exit 76	Henderson	\$	160,000	\$	936,000	\$	1,096,000
				\$	-	\$	-	\$	-
				\$	-	\$	-	\$	-
	70.050					TOT		_	70 007 000

76.258 TOTAL \$ 70,937,860

Reaches on WKY

ВМР	EMP	Reach Name	County	Tota	l Point Cost	Tota	al Stretch Cost	Tot	al Reach Cost
0	0.551	Exit 1	Lyon	\$	1,000	\$	826,500	\$	827,500
0.551	3.152	W1	Lyon	\$	2,000	\$	3,901,500	\$	3,903,500
3.152	4.252	Exit 4	Lyon	\$	729,000	\$	1,650,000	\$	2,379,000
4.252	5.61	W2	Lyon	\$	15,000	\$	2,037,000	\$	2,052,000
5.61	9.855	W3	Caldwell	\$	75,500	\$	6,367,500	\$	6,443,000
9.855	11.021	W4	Caldwell	\$	14,000	\$	1,667,380	\$	1,681,380
11.021	12.57	Exit 12	Caldwell	\$	2,359,000	\$	2,215,070	\$	4,574,070
12.57	13.67	Exit 13	Caldwell	\$	850,000	\$	1,573,000	\$	2,423,000
13.67	21.764	W5	Caldwell	\$	835,000	\$	11,574,420	\$	12,409,420
21.764	23.885	W6	Hopkins	\$	86,000	\$	3,033,030	\$	3,119,030
23.885	24.985	Exit 24	Hopkins	\$	805,000	\$	1,573,000	\$	2,378,000
24.985	38.332	W7	Hopkins	\$	690,000	\$	19,086,210	\$	19,776,210
				\$	-	\$	-	\$	-
				\$	-	\$	-	\$	-
				\$	-	\$	-	\$	-
				\$	-	\$	-	\$	-
				\$	-	\$	-	\$	-
				\$	-	\$	-	\$	-
				\$	-	\$	-	\$	-
				\$	-	\$	-	\$	-
				\$	-	\$	-	\$	-
				\$	-	\$	-	\$	-

38.332 **TOTAL** \$ 61,966,110

Table B.3 - Cost Summary by Deficiency Type

)SN	User Select Build Scenario	enario		-		-	Full Build Scenario	ë	
Def Type	ETB	WKY	Gra	Grand Total		ETB		WKY		Grand Total
Brush-block bridge	\$ 200,000	\$ 86,000	\$	286,000	₩,	300,000	\$	86,000	\$	286,000
Interchange Config	٠ &	· \$	s	•	₩	17,270,000	8	10,650,000	↔	27,920,000
Narrow bridge	\$ 494,000	•	s	494,000	₩	494,000	&	1	↔	494,000
Narrow Brush-block bridge	\$ 254,000	\$ 737,000	s	991,000	₩	, 254,000	8	737,000	₩	991,000
Overpass Vertical Clearance	\$ 1,070,000	\$ 4,175,000	s	5,245,000	₩	1,070,000	8	4,175,000	8	5,245,000
Ramp Accel	\$ 2,953,000	\$ 672,000	s	3,625,000	₩	2,953,000	8	672,000	₩	3,625,000
Ramp Decel	\$ 2,083,000	\$ 680,000	s	2,763,000	₩	3,083,000	8	680,000	8	2,763,000
Type 7 GR	\$ 66,500	\$ 101,500	s	168,000	₩	66,500	8	101,500	↔	168,000
Vertical curve	· \$	· \$	\$	•	U)	1,075,000	8	625,000	₩	1,700,000
Type 3 GR	\$ 11,000	\$ 10,000	⇔	21,000	U)	11,000	\$	10,000	⇔	21,000
10 ft graded outer shoulder	\$ 825,860	•	\$	825,860	₩)	825,860	8	1	↔	825,860
3 ft paved inner shoulder	\$ 2,939,090	\$ 689,850	s	3,628,940	₩	2,939,090	8	689,850	8	3,628,940
Cross Slope / Superelevation	- ج		s	•	57	· •	ئ	•	s	•
Ditch Foreslope	ج	· \$	s	•	0)	3,736,843	₩	3,095,420	₩	6,832,263
Interchange Spacing	- ج	· \$	s	•	₩	900,000	S	2,600,000	ઝ	3,200,000
Pavement Rehabilitation	\$ 60,041,410	\$ 54,814,760	\$	114,856,170	₩	60,041,410	8	54,814,760	↔	114,856,170
Median Width	*	*	\$	•	₩		\$	4,001,019	\$	4,001,019
Grand Total	\$ 70,937,860	\$ 61,966,110	` \$	132,903,970	91	\$ 93,619,703	\$	82,937,549	↔	176,557,252

\$129,900,000	\$306,457,252
Systems Interchanges	Full Build Final Total

Systems Interchanges \$ Select Build Final Total \$

Table B.4 - Cost Summary by County

\$ 38,325,360	WKY	Systems	Grand Total
\$ 38,325,360	\$ 9,162,000	\$ 7,260,000	\$ 16,422,000
	\$ 27,530,870		\$ 27,530,870
	\$ 25,273,240 \$	\$	\$ 63,598,600
Webster \$ 13,846,000			\$ 15,843,000
Henderson \$ 16,769,500			\$ 16,769,500
Grand Total \$ 70,937,860 \$	\$ 011,996,110 \$ 0	\$ 7,260,000 \$	\$ 140,163,9

Results only valid if reaches are broken at county lines.

Table B.5 - Cost Summary by Funding Category

Funding CategoryETBWKYGrand TotalETBWKYGrand Total3R3R\$64,083,860\$ 55,702,110\$ 119,785,970\$ 64,083,860\$ 12,668,800\$ 12,668,8004R\$ 5,036,000\$ 1,818,000\$ 4,912,000\$ 6,730,000\$ 12,668,000\$ 18,162,000\$ 30,830,001-69 Priority\$ 70,937,860\$ 61,966,110\$ 132,903,970\$ 93,619,703\$ 82,937,549\$ 176,557,25			User Select Build Scenario	cenario		Full	Full Build Scenario		
\$ 55,702,110 \$ 119,785,970 \$ 64,083,860 \$ 59,703,129 \$ \$ 1,352,000 \$ 6,388,000 \$ 16,867,843 \$ 5,072,420 \$ \$ 4,912,000 \$ 6,730,000 \$ 12,668,000 \$ 18,162,000 \$ \$ 61,966,110 \$ 132,903,970 \$ 93,619,703 \$ 82,937,549 \$	Funding Category	ETB	WKY	Grand Total	ETB		WKY	Ľ	irand Total
\$ 1,352,000 \$ 6,388,000 \$ 16,867,843 \$ 5,072,420 \$ \$ 4,912,000 \$ 6,730,000 \$ 12,668,000 \$ 18,162,000 \$ \$ 61,966,110 \$ 132,903,970 \$ 93,619,703 \$ 82,937,549 \$	3R	\$ 64,083,860	\$ 55,702,110	\$	\$ 64,083,860	\$	59,703,129	\$	123,786,989
\$ 4,912,000 \$ 6,730,000 \$ 12,668,000 \$ 18,162,000 \$ \$ 61,966,110 \$ 132,903,970 \$ 93,619,703 \$ 82,937,549 \$	4R	\$ 5,036,000		\$ 6,388,000	\$ 16,867,843	↔	5,072,420	₩	21,940,263
\$ 61,966,110 \$ 132,903,970 \$ 93,619,703 \$ 82,937,549 \$	I-69 Priority	\$ 1,818,000	\$ 4,912,000	\$ 6,730,000	\$ 12,668,000	8	18,162,000	₩	30,830,000
	Grand Total	\$ 70,937,860	\$ 61,966,110	\$ 132,903,970	\$ 93,619,703	\$	82,937,549	\$	176,557,252

Systems Interchanges	\$ 7,260,000	Systems Interchanges	\$129,900,000
Select Build Final Total	\$ 140,163,970	Full Build Final Total	\$306,457,252

Table B.6 - Cost Summary by Priority Level

	Nse	Jser Select Build Scenario	cenario	<u>د</u>	Full Build Scenario	<u>o</u>
Priority	ETB	WKY	Grand Total	ETB	WKY	Grand Total
_	\$60,118,910	\$54,926,260	\$115,045,170	\$60,118,910	\$54,926,260	\$115,045,170
7	\$10,324,950	\$7,039,850	\$17,364,800	\$10,324,950	\$7,039,850	\$17,364,800
က	\$494,000	\$0	\$494,000	\$23,175,843	\$20,971,439	\$44,147,282
Grand Total	\$70,937,860	\$61,966,110	\$132,903,970	\$93,619,703	\$82,937,549	\$176,557,252

Systems Interchanges (4)	\$ 7,260,000	Systems Interchanges (4)	\$129,900,000
Select Build Final Total	\$ 140,163,970	Full Build Final Total	\$306,457,252

Table B.7
Cost Summary by Reach and Deficiency Type for User Select Build Scenario

*Costs do not include system interchanges

		_																		
		Def Type	Type 7 GR	Ramp Accel	Ramp Decel	Narrow bridge	Vertical curve	Overpass Vertical Clearance	Type 3 GR	Brush-block bridge	Narrow Brush-block bridge	Interchange Config	10 ft graded outer shoulder	3 ft paved inner shoulder	Cross Slope / Superelevation	Ditch Foreslope	Median Width	Pavement Rehabilitation	Interchange Spacing	TOTAL
	Reach	Range		•	•	•		•	•		•		•	•		•	*	·	•	
	B1	34.27 36.52	\$3,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$157,430	\$157,430	\$0	\$0	\$0	\$3,216,070	\$0	\$ 3,534,430
	Exit 37	36.52 37.62	\$3,500	\$1,762,000	\$1,665,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$77,000	\$77,000	\$0	\$0	\$0	\$1,573,000	\$0	\$ 5,157,500
l	B2	37.62 39.24	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$113,680	\$113,680	\$0	\$0	\$0	\$2,322,320	\$0	\$ 2,549,680
	Exit 40	39.24 40.34	\$0	\$676,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$77,000	\$77,000	\$0	\$0	\$0	\$1,573,000	\$0	\$ 2,403,000
	B3	40.34 41.87	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$106,680	\$106,680	\$0	\$0	\$0	\$2,179,320	\$0	\$ 2,392,680
	Exit 42	41.87 43.27	\$0	\$150,000	\$112,000	\$270,000	\$0	\$0	\$0	\$0 \$0	\$0	\$0	\$98,140	\$98,140	\$0 \$0	\$0	\$0	\$2,004,860	\$0	\$ 2,733,140
`											· · · · · · · · · · · · · · · · · · ·									
l š l	Exit 44	43.27 44.67	\$0	\$50,000	\$56,000	\$224,000	\$0	\$0	\$0	\$0	\$0	\$0	\$98,070	\$98,070	\$0	\$0	\$0	\$2,003,430	\$0	\$ 2,529,570
Parkway	Exit 45	44.67 45.77	\$0	\$0	\$0	\$0	\$0	\$670,000	\$0	\$0	\$0	\$0	\$77,000	\$77,000	\$0	\$0	\$0	\$1,573,000	\$0	\$ 2,397,000
l &	B4	45.77 48.43	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,860	\$186,060	\$0	\$0	\$0	\$3,800,940	\$0	\$ 4,007,860
Breathitt	Exit 49	48.43 49.53	\$0	\$55,000	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$77,000	\$0	\$0	\$0	\$1,573,000	\$0	\$ 1,755,000
돭	B5	49.53 53.52	\$0	\$0	\$0	\$0	\$0	\$400,000	\$0	\$0	\$0	\$0	\$0	\$279,370	\$0	\$0	\$0	\$5,707,130	\$0	\$ 6,386,500
l 🧯	Exit 54	53.52 54.62	\$3,500	\$100,000	\$100,000	\$0	\$0	\$0	\$2,000	\$40,000	\$0	\$0	\$0	\$77,000	\$0	\$0	\$0	\$1,573,000	\$0	\$ 1,895,500
	B6	54.62 55	\$7,000	\$0	\$0	\$0	\$0	\$0	\$2,000	\$0	\$0	\$0	\$0	\$26,810	\$0	\$0	\$0	\$547,690	\$0	\$ 583,500
l ⊢ ⊦	B7	55 62.81	\$49,000	\$0	\$0	\$0	\$0	\$0	\$7,000	\$80,000	\$150,000	\$0	\$0	\$546,280	\$0	\$0	\$0	\$11,159,720	\$0	\$ 11,992,000
Edward								· · · · · · · · · · · · · · · · · · ·												
8	Exit 63	62.81 63.19	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,600	\$0	\$0	\$0	\$543,400	\$0	\$ 570,000
i i	B8	63.19 65.31	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$104,000	\$0	\$0	\$148,260	\$0	\$0	\$0	\$3,028,740	\$0	\$ 3,281,000
1 ⁻ L	B9	65.31 67.81	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000	\$0	\$0	\$0	\$175,560	\$0	\$0	\$0	\$3,586,440	\$0	\$ 3,802,000
	Exit 68	67.81 68.91	\$0	\$50,000	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$77,000	\$0	\$0	\$0	\$1,573,000	\$0	\$ 1,750,000
	B10	68.91 75.63	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000	\$0	\$0	\$0	\$470,470	\$0	\$0	\$0	\$9,611,030	\$0	\$ 10,121,500
	Exit 76	75.63 76.26	\$0	\$110,000	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$43,680	\$0	\$0	\$0	\$892,320	\$0	\$ 1,096,000
F	0	0 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -
F	0	0 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	¢ _
	ű	0 0		·			ΨΟ		·			φυ			φυ	φ0	φυ		ψ0	ψ
	TOTAL	1 - 1	\$ 66,500	\$ 2,953,000	\$2,083,000	\$ 494,000 \$	-	\$1,070,000	\$11,000	\$200,000	\$ 254,000	\$	- \$825,860	\$2,939,090	\$ -	\$ -	• •	- \$60,041,410	\$ -	\$ 70,937,860
	Exit 1	0 0.551	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0	\$38,570	\$0	\$0	\$0	\$787,930	\$0	\$ 827,500
	W1	0.551 3.152	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000	\$0	\$0	\$0	\$0	\$182,070	\$0	\$0	\$0	\$3,719,430	\$0	\$ 3,903,500
	Exit 4	3.152 4.252	\$0	\$100,000	\$580,000	\$0	\$0	\$0	\$3,000	\$46,000	\$0	\$0	\$0	\$77,000	\$0	\$0	\$0	\$1,573,000	\$0	\$ 2,379,000
	W2	4.252 5.61	\$14,000	\$0	\$0	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0	\$95,060	\$0	\$0	\$0	\$1,941,940	\$0	\$ 2,052,000
	W3	5.61 9.855	\$73,500	\$0	\$0	\$0	\$0	\$0	\$2,000	\$0	\$0	\$0	\$0	\$297,150	\$0	\$0	\$0	\$6,070,350	\$0	\$ 6,443,000
	W4	9.855 11.02	\$14,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,667,380	\$0	\$ 1,681,380
	Exit 12	11.02 12.57	\$0	\$572,000	\$100,000	\$0	\$0	\$1,120,000	\$0	\$0	\$567,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,215,070	\$0	\$ 4,574,070
ا جِ	Exit 13	12.57 13.67	\$0	\$0	\$0	\$0	\$0 \$0	\$850,000	\$0	\$0 \$0	\$0	\$0	\$0	\$0 \$0	\$0 \$0	\$0	\$0	\$1,573,000	\$0	\$ 2,423,000
way		13.67 21.76	T -	7 -		T -					\$84,000		T -						'	
볼	W5		\$0 \$0	\$0 ©0	\$0 \$0	\$0 *0	\$0 \$0	\$750,000		\$0 \$0		\$0 ©0	\$0 \$0	\$0 ©0	\$0 \$0	\$0 \$0	\$0 \$0	\$11,574,420	\$0 ©0	\$ 12,409,420
Park	W6	21.76 23.89	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$86,000	\$0	\$0	\$0	\$0	\$0	\$0	\$3,033,030	\$0	\$ 3,119,030
₹ -	Exit 24	23.89 24.99	\$0	\$0	\$0	\$0	\$0	\$765,000	\$0	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,573,000	\$0	\$ 2,378,000
	W7	24.99 38.33	\$0	\$0	\$0	\$0	\$0	\$690,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,086,210	\$0	\$ 19,776,210
Western	0	0 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-
st	0	0 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -
×	0	0 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -
-	0	0 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -
	0	0 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -
-	0	0 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	¢ _
-																				•
	0	0 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 ©0	\$0	\$0	\$0 ©0	\$0	\$0 \$0	\$0	\$0	\$0	\$0	\$0	P
	0	0 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	> -
	0	0 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	5 -
	0	0 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$ -
	TOTAL		\$101,500	\$ 672,000	\$ 680,000	\$ - \$	-	\$4,175,000	\$10,000	\$ 86,000	\$ 737,000	\$	- \$ -	\$ 689,850	\$ -	\$ -	\$	- \$54,814,760	\$ -	\$ 61,966,110
TOT	AL - Both Park	ways	\$168,000	\$ 3,625,000	\$ 2,763,000	\$ 494,000 \$	-	\$5,245,000	\$21,000	\$286,000	\$ 991,000	\$	- \$825.860	\$ 3,628,940	\$ -	\$ -	\$	- \$114,856,170	\$ -	\$ 132,903,970
		-				, ,			•	,	•						-			

Table B.8 Cost Summary by Reach and Deficiency Type for Full Build Scenario

*Costs do not include system interchanges

The column The																					
February			ЭС		Accel	Decel	bridge		ss Vertical			rush-block	nge C	outer	inner	ope / Supe	oreslope				
Reach Reac			Ž		/ di		ΜO	ical	гра	8	4	wo		g	oav			ian	L L	chi	A.
Reach Reac			et .	уре			arr	erti	ē≥	уре		arr	ter		#		itch	Pel	ave	iter	OT
## 1 43-77 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-62 35-	г	Doooh		<u> </u>	<u>~</u>	<u>~</u>	Z	>	0	<u> </u>	В	Z	<u> </u>	<u> </u>	က	<u> </u>		≥	Δ.	드	-
## PAT	-			¢2 500	Φ Ω	¢ο	Φ Ω	¢ο	C O	Φ Ω	© O	Ф О	© 0	¢157.420	¢157.420	¢0	\$200.161	ФО	¢2 216 070	¢ 0	¢ 2.724.504
## 12 \$7.62 \$3.024 \$40.3 \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50. \$50.	 																				
Fer 440	-																				
## 683 #4 40.7 44.77 #4 50.5 \$10.500 \$172,000 \$172,000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.													· · · · · · · · · · · · · · · · · · ·								
Fig. 42 4187 4.827 50 \$150,000 \$110,000 \$270,000 \$30 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0																					
Exist 44 43.22 48.67 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0																					
Edit 44 (46, 48.77) 83.0 \$30 \$30 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	l ĝ l										· · · · · · · · · · · · · · · · · · ·										
## B8	١٠٠											· · · · · · · · · · · · · · · · · · ·									
Egit 40 48.43 49.55 50 550.000 500.000 50 50	l a			·																	
## BS 49,63 53,62 59 50 50 50 50 50 50 50		Exit 49		\$0	\$55,000	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$0	\$97,900				
## C.	重	B5		\$0			\$0			\$0							\$355,199				
## Part		Exit 54		\$3,500	\$100,000	\$100,000	\$0	\$0	\$0	\$2,000	\$40,000	\$0	\$0	\$0	\$77,000	\$0	\$97,900	\$0		\$0	
## Exit 63 62.81 63.19 50 50 50 50 50 50 50 5	9	B6	54.62 55	\$7,000	\$0	\$0	\$0	\$0	\$0	\$2,000	\$0	\$0	\$0	\$0	\$26,810	\$0	\$34,087	\$0	\$547,690	\$0	
Exist 63 (6.28) (6.31) (6.53) (7.50) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0) (5.0)	E	B7	55 62.81	\$49,000	\$0	\$0	\$0	\$0	\$0	\$7,000	\$80,000	\$150,000	\$10,250,000	\$0	\$546,280	\$0	\$694,556	\$0	\$11,159,720	\$0	\$ 22,936,556
## 68 0.78 16.58 75.63 30 50 50 50 50 50 50 5		Exit 63	62.81 63.19	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,600	\$0	\$33,820	\$0	\$543,400	\$0	\$ 603,820
## 68 0.78 16.58 75.63 30 50 50 50 50 50 50 5	<u>÷</u> [B8	63.19 65.31	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$104,000	\$0	\$0	\$148,260	\$0	\$188,502		\$3,028,740	\$0	\$ 3,469,502
B10	"	B9	65.31 67.81	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000	\$0	\$0	\$0	\$175,560	\$0	\$223,212	\$0	\$3,586,440	\$0	\$ 4,025,212
Exit 76		Exit 68	67.81 68.91	\$0	\$50,000	\$50,000	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$77,000	\$0	\$97,900		\$1,573,000	\$0	\$ 1,947,900
No. Color		B10		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000	\$0	\$0	\$0	\$470,470	\$0			\$9,611,030	\$0	
TOTAL Section		Exit 76	75.63 76.26	\$0	\$110,000	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$43,680	\$0	\$55,536		\$892,320	\$0	\$ 1,151,536
TOTAL \$68,500 \$2,933,000 \$2,083,000 \$49,000 \$1,075,000 \$1,075,000 \$1,000 \$200,000 \$200,000 \$17,277,000 \$825,860 \$2,939,090 \$0 \$3,736,843 \$0 \$600,001 \$800,000 \$93,619,703 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0														· · · · · · · · · · · · · · · · · · ·							\$ -
Exit 1			0 0			Ŧ -				·		•									\$ -
W1								!									+				
Fixil 4 3.152 4.252 \$0 \$100,000 \$580,000 \$0 \$0 \$0 \$0 \$3,000 \$46,000 \$0 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50																					
W2																					
W3 5.61 9.855 \$73,500 \$0 \$0 \$0 \$0 \$0 \$0 \$0																					
W4						· · · · · · · · · · · · · · · · · · ·				- ' '				· · · · · · · · · · · · · · · · · · ·							
Exit 12	I																		' ' '		
Exit 13	-						<u> </u>						· · · · · · · · · · · · · · · · · · ·								
Yes 13.67 21.76 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	l _≻ ⊦										· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·								
W6 21.76 23.89 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$				T -		+ -									T -					'	
EXIT 24	뚩																				
W7 24.99 38.33 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0					· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		·					T -	T -							
No	I≽⊦																				
No	[·										· · · · · · · · · · · · · · · · · · ·							\$ 23,133,347
Note	še							1													\$ -
0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	ا قِ ا					· · · · · · · · · · · · · · · · · · ·								· · · · · · · · · · · · · · · · · · ·							\$ -
0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 <td> </td> <td></td> <td></td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td>·</td> <td></td> <td>\$ -</td>	 					· · · · · · · · · · · · · · · · · · ·		·													\$ -
0 0 50 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 <td> </td> <td></td> <td></td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td>\$ -</td>						· · · · · · · · · · · · · · · · · · ·															\$ -
0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 <td> </td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td>·</td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$ -</td>				· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		·			· · · · · · · · · · · · · · · · · · ·										\$ -
0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 <td> </td> <td></td> <td></td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$ -</td>						· · · · · · · · · · · · · · · · · · ·						· · · · · · · · · · · · · · · · · · ·									\$ -
0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 <td> </td> <td></td> <td></td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td>\$ -</td>						· · · · · · · · · · · · · · · · · · ·															\$ -
0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 <td> </td> <td>0</td> <td></td> <td>\$ -</td>		0																			\$ -
TOTAL \$101,500 \$672,000 \$680,000 \$0 \$625,000 \$4,175,000 \$10,000 \$86,000 \$737,000 \$10,650,000 \$0 \$689,850 \$0 \$3,095,420 \$4,001,019 \$54,814,760 \$2,600,000 \$82,937,549		0	0 0																		\$ -
		TOTAL		\$101,500	\$672,000	\$680,000	\$0		\$4,175,000	\$10,000	\$86,000	\$737,000		\$0	\$689,850		\$3,095,420	\$4,001,019	\$54,814,760	\$2,600,000	\$82,937,549
• • • • • • • • • • • • • • • • • • • •	TOT	AL - Both Parkw	vays	\$168,000	\$ 3,625,000	\$ 2,763,000	\$494,000	\$1,700,000	\$ 5,245,000	\$21,000	\$286,000	\$ 991,000	\$ 27,920,000	\$825,860	\$ 3,628,940	\$ -	\$ 6,832,263	\$ 4,001,019	\$ 114,856,170	\$ 3,200,000	\$ 176,557,252