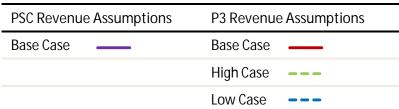
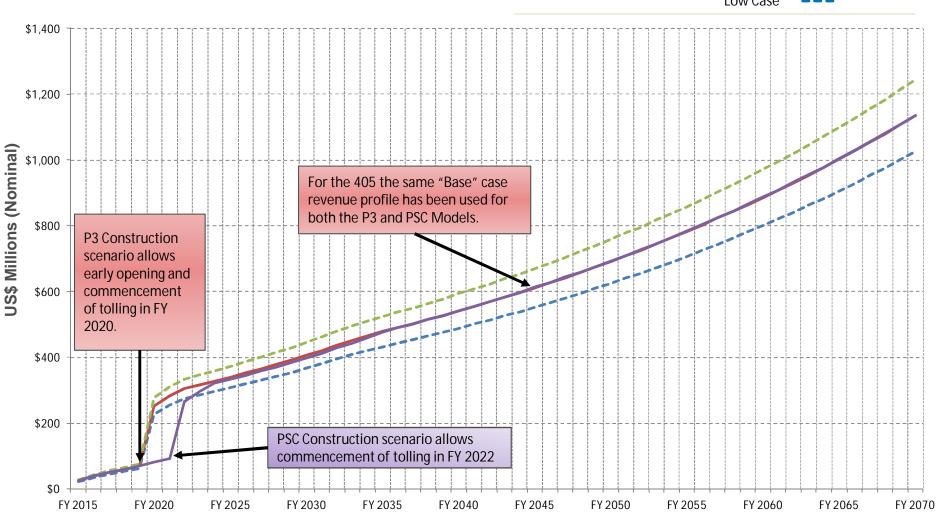
Financial Model Inputs (I-405 Express Toll Lanes)

AECOM: KPMG: Nossaman

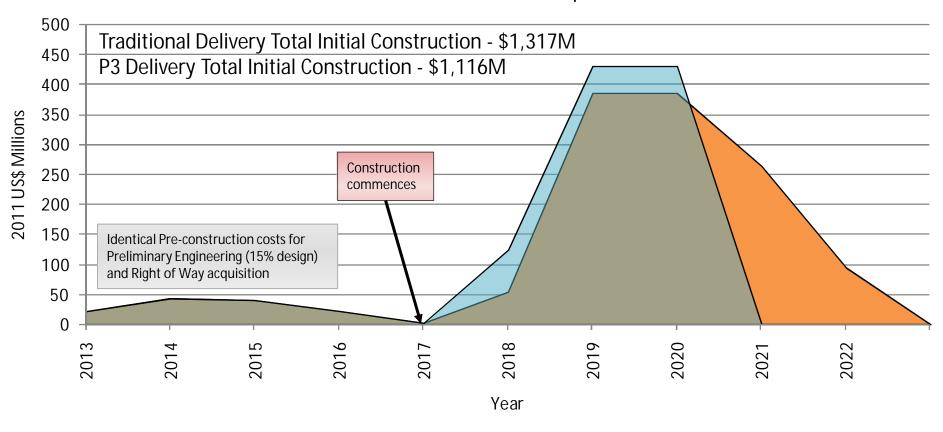
Revenue Assumptions





P3 Case assumes accelerated construction schedule

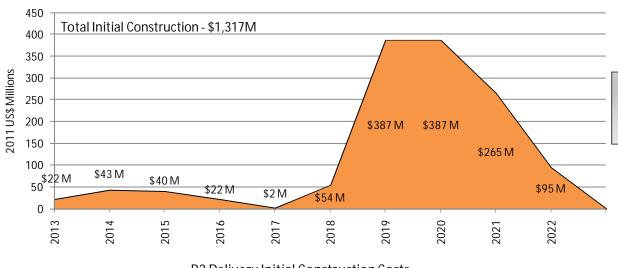
Initial Construction Costs Comparison



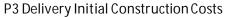
■ Total Traditional Delivery Initial Construction Costs

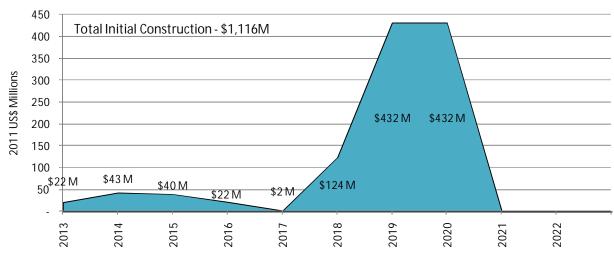
■ Total P3 Delivery Initial Construction Costs

Traditional Delivery Initial Construction Costs



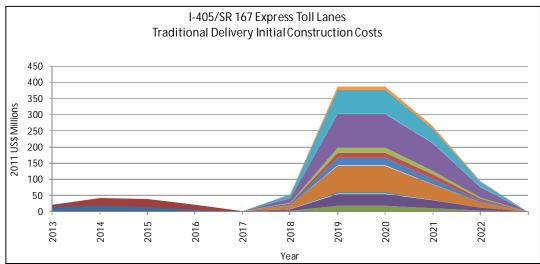
Right of Way and Tolling & ITS costs are assumed the same for both forms of delivery

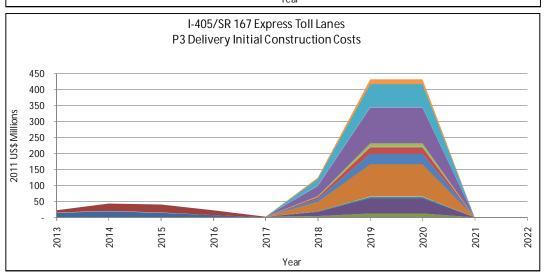




Initial Construction Costs Savings for the P3
Delivery method are based on the ability of
the private sector to complete construction
within 2.5 years instead of 5, reducing all time
dependant costs such as Mobilization &
Preparation and Traffic Control, and to a
lesser extent other costs such as Design

The private sector would have the ability to bulk purchase materials such as steel which could potentially provide significant savings . However, this has not been assumed for this project.

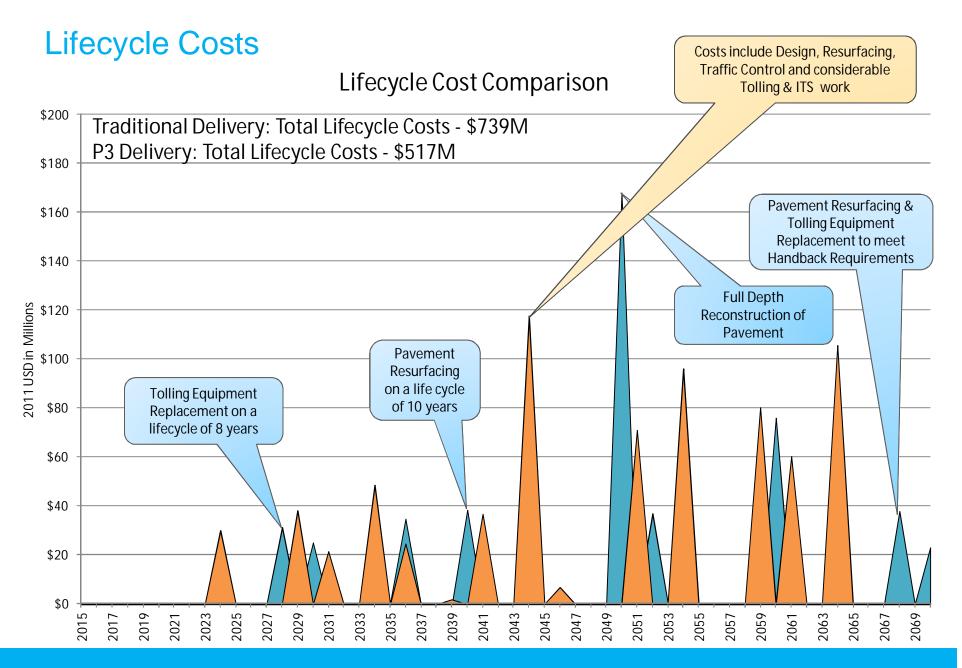




L 405 /0D 4 / 7 5	T 11.1 1	D.O.
I-405/SR 167 Express Toll Lanes Initial	Traditional	P3
Construction Costs (Millions)	Delivery	Delivery
DESIGN	\$57	\$57
RIGHT of WAY	\$72	\$72
MOBILIZATION AND PREPARATION	\$54	\$27
GRADING, DRAINAGE AND STOCKPILING	\$112	\$108
WATERLINES, STORM AND SANITARY SEWERS	\$14	\$13
STRUCTURES	\$239	\$234
ASPHALT AND SURFACING	\$74	\$73
CEMENT CONCRETE PAVEMENT	\$50	\$49
TRAFFIC CONTROL	\$51	\$26
OTHER ITEMS*	\$340	\$257
NON - BID COSTS 700 Level Items **	\$220	\$166
TOLLING & ITS	\$35	\$35
Total Construction Cost	\$1,317	\$1,116

- * Other Items include Design, QAQC (15%), Guardrail, Signage other minor items, Environmental mitigation like recon of wetlands, stream restoration etc, differing site conditions
- ** Non Bid Costs include sales tax, construction engineering (WSDOTs own and sub costs to inspect during construction) contingency, stipend for failed bidders
- DESIGN
- MOBILIZATION AND PREPARATION
- WATERLINES, STORM AND SANITARY SEWERS
- ASPHALT AND SURFACING
- TRAFFIC CONTROL
- NON BID COSTS 700 Level Items

- RIGHT of WAY
- GRADING, DRAINAGE AND STOCKPILING
- STRUCTURES
- **CEMENT CONCRETE PAVEMENT**
- OTHER ITEMS
- TOLLING & ITS

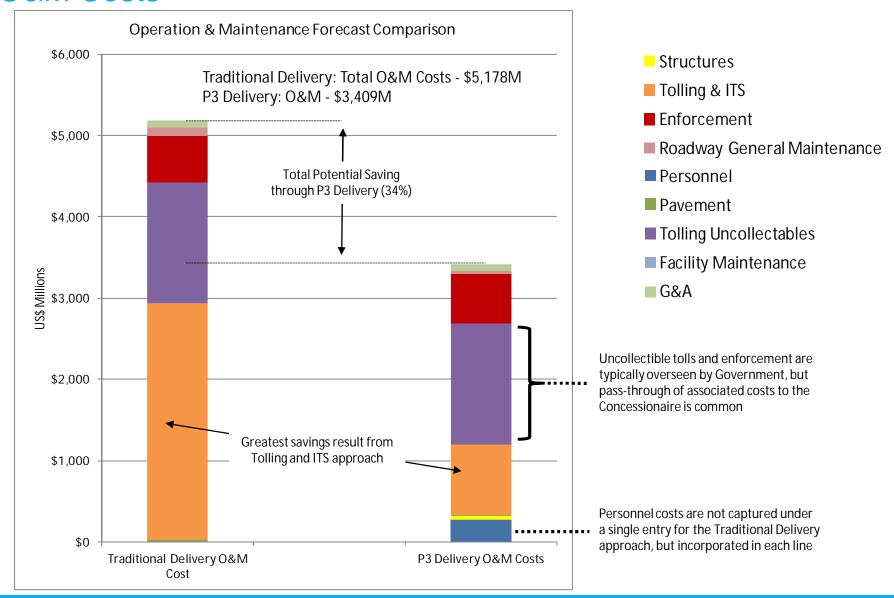


Lifecycle Costs

Total Over Concession	\$739.63	\$664.43	
General Contingencies	\$0.00	\$55.37	
Engineering, Construction Mgmt. and Testing Fees	\$0.00	\$39.21	
Mobilization and Preparation	\$42.14	\$30.20	
Design	\$54.79	\$25.17	
Tolling & ITS Maintenance	\$336.22	\$265.49	
Other Misc. Items	\$153.83	\$0.00	
Structures	\$0.00	\$0.83	
Pavement Maintenance \$152.65	\$85.22	\$232.10	\$237.03
Roadway Maintenance	\$67.43	\$4.93	#22 7 22
I-405/SR 167 Express Toll Lanes Lifecycle Costs (Millions)	Traditional Delivery	P3 Delivery	

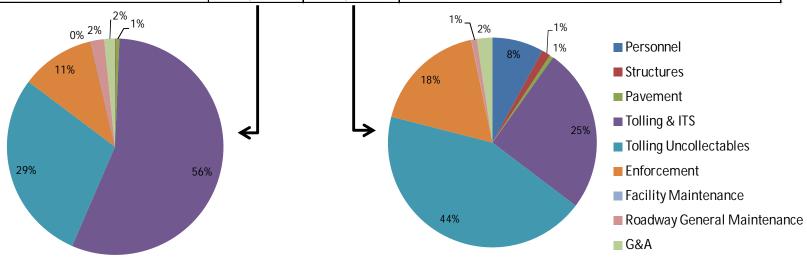
- Overall, P3 costs are 10% lower in nominal (2011) dollars
- P3 case actually spends significantly more on pavement repairs
- Majority of savings are on Tolling and ITS (\$71M or 10% of the total savings)

O&M Costs

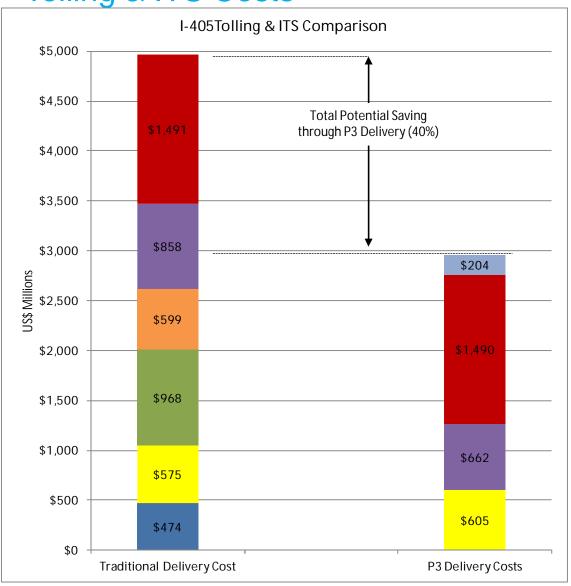


O&M Costs

I-405/SR 167 Express Toll Lanes O&M Costs (Millions)	Traditional Delivery	P3 Delivery	Comment
Personnel	\$0.00	\$270.72	WashDot personnel costs are incorporated within each of the line items such as structures, pavements etc.
Structures	\$4.41	\$45.82	Includes bridges, safety barriers and retaining walls
Pavement	\$28.53	\$20.95	Includes asphalt & concrete pavement
Tolling & ITS	\$2,897.57	\$865.86	Includes annual maintenance, fixed back office costs, transaction based cost & credit card fees
Tolling Uncollectables	\$1,490.64	\$1,489.52	For both delivery methods assumed 4.5% of Revenue
Enforcement	\$574.68	\$604.65	Assumed the same for both delivery methods
Facility Maintenance	\$0.00	\$1.29	
Roadway General Maintenance	\$108.22	\$29.46	Includes drainage, landscaping etc.
G&A	\$83.12	\$80.25	General & Administrative costs
Total Over 55 Years	\$5,187	\$3,409	



Tolling & ITS Costs



Traditional Delivery: Total O&M Costs - \$4,963M P3 Delivery: O&M - \$2,960M

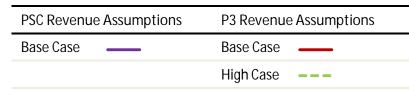
- Equipment O&M
- WSP Enforcement
- Transaction Based CSC Costs
- Fixed Back Office Costs
- Credit Card Fees
- Uncollectible Accounts
- Tolling & ITS Transaction based costs*

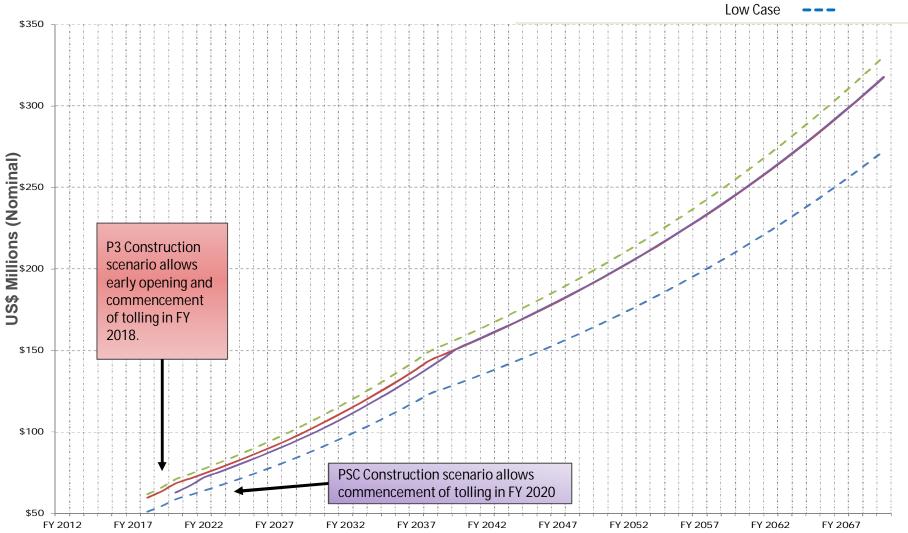
^{*} Tolling & ITS – Transaction based costs incorporate equipment maintenance, customer service center (CSC) and Fixed Back Office Costs.

Financial Model Inputs (SR 509 Toll Lanes)

AECOM: KPMG: Nossaman

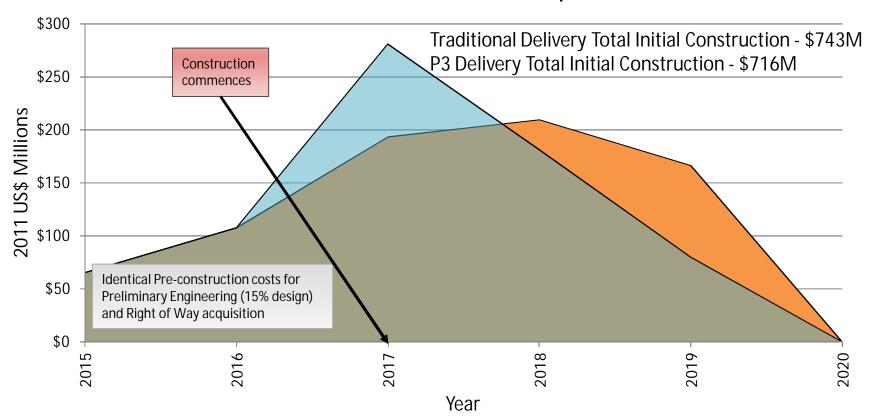
Revenue Assumptions





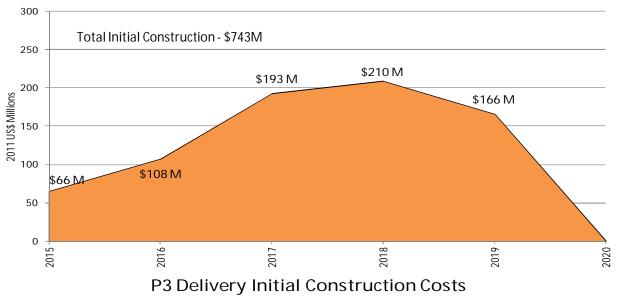
P3 Case assumes accelerated construction schedule

Initial Construction Costs Comparison

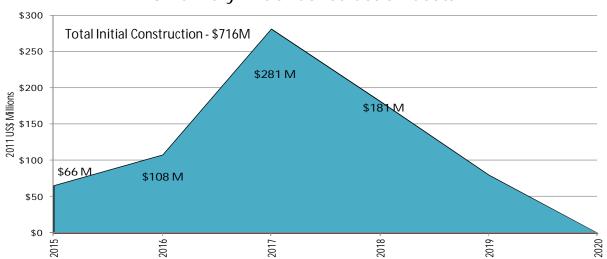


■ Total Traditional Delivery Initial Construction Costs ■ Total P3 Delivery Initial Construction Costs

Traditional Delivery Initial Construction Costs

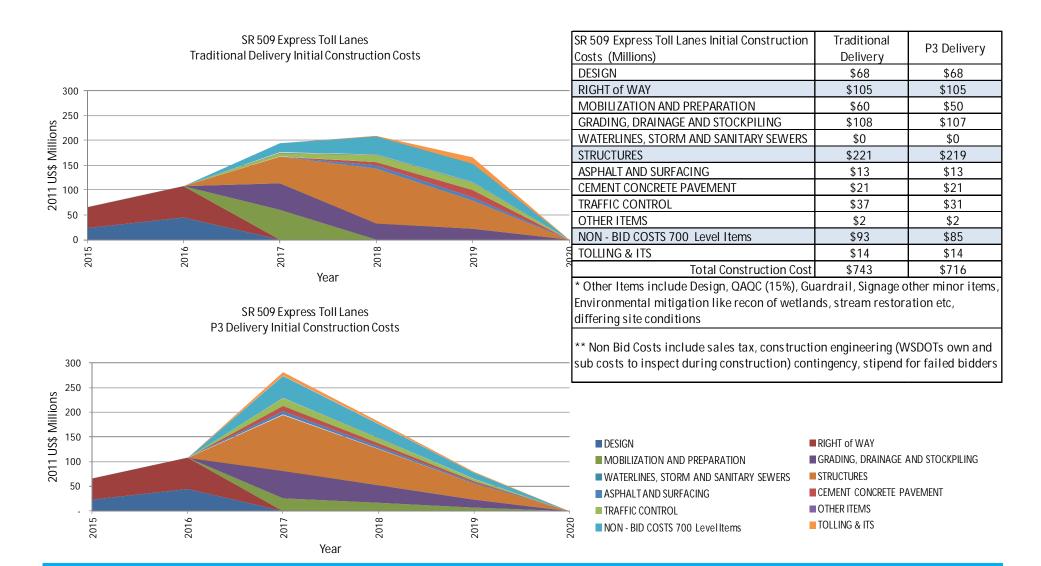


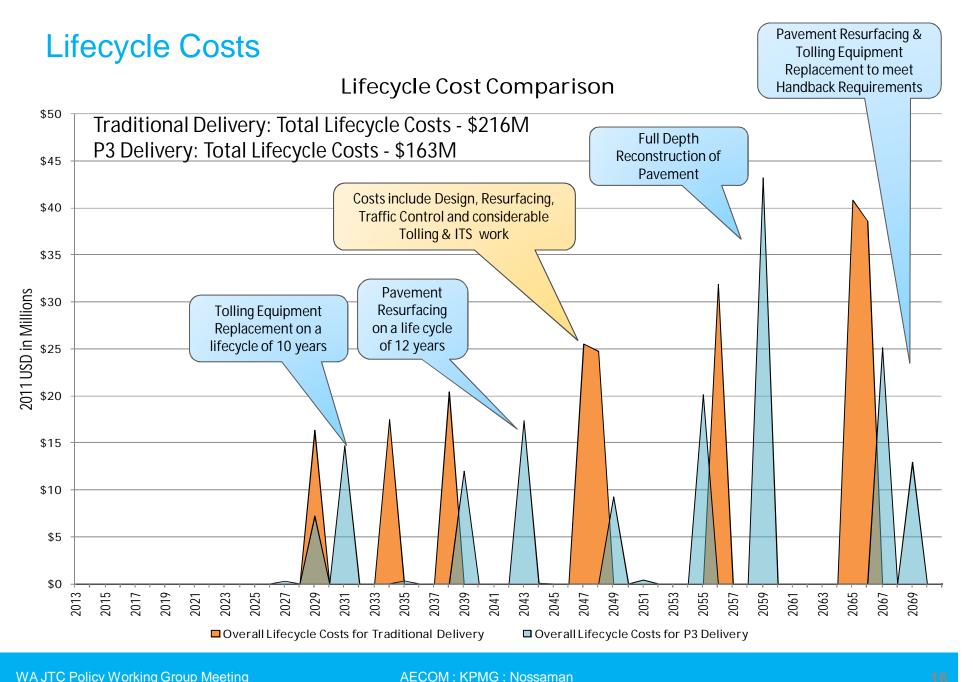
Right of Way and Design costs are assumed the same for both forms of delivery



Initial Construction Costs Savings for the P3
Delivery method are based on the ability of
the private sector to complete construction
within 2.5 years instead of 3, reducing all time
dependant costs such as Mobilization &
Preparation and Traffic Control, and to a
lesser extent other costs such as Design

The private sector would have the ability to bulk purchase materials such as steel which could potentially provide significant savings . This has been assumed for this project.



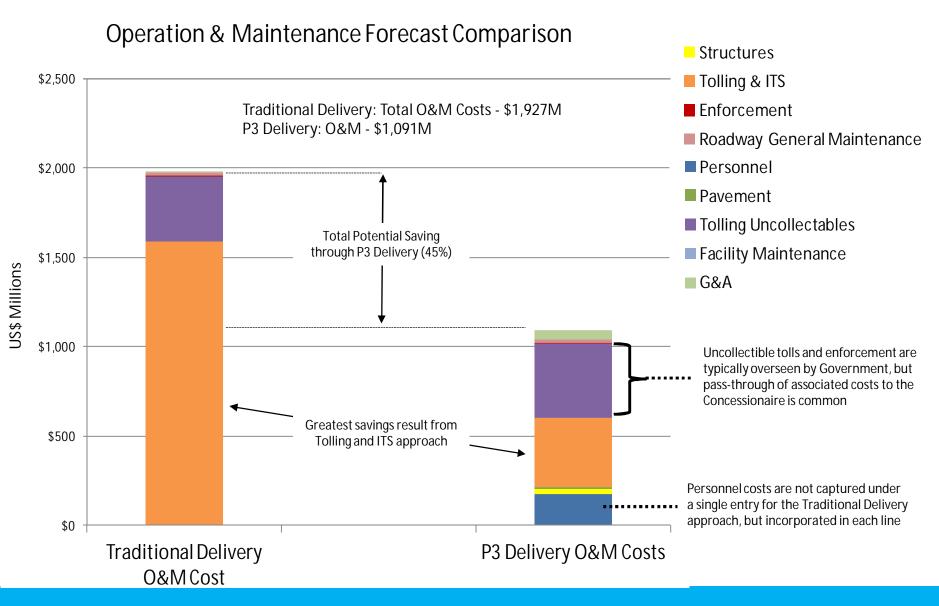


Lifecycle Costs

SR 509 Express Toll Lanes Lifecycle	Traditional	P3 Delivery	
Costs (Millions)	Delivery	P3 Delivery	
Roadway Maintenance	\$23.53	\$1.90	
Pavement Maintenance	\$51.72	\$80.94	
Structures	\$0.00	\$1.11	
Tolling & ITS Maintenance	\$87.46	\$43.91	
Other Misc. Items	\$27.03	\$0.00	
Engineering, Construction Mgmt. and Test	\$14.96	\$0.00	
Design	\$0.00	\$0.00	
Mobilization and Preparation	\$11.50	\$0.00	
General Contingencies	\$0.00	\$35.34	
Total Over Concession	\$216.21	\$163.19	

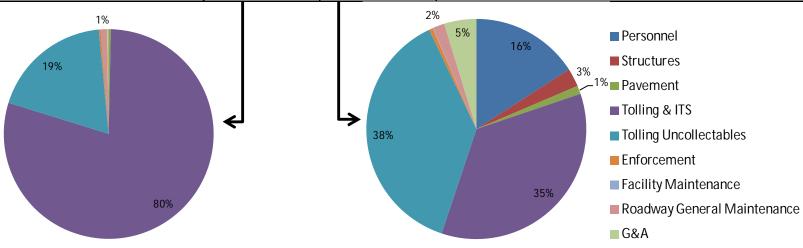
- Overall, P3 costs are 25% lower in nominal (2011) dollars
- P3 case actually spends significantly more on pavement repairs
- Majority of savings are on Tolling and ITS (\$43.5M or 50% of the total savings)

O&M Costs



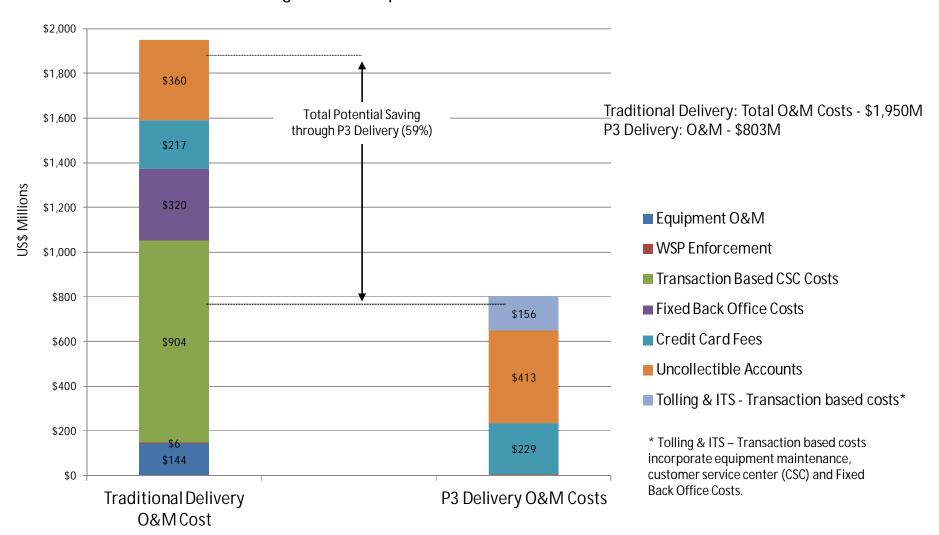
O&M Costs

Traditional Delivery	P3 Delivery	Comment
\$0.00	\$173.62	WashDot personnel costs are incorporated within each of the line items such as structures, pavements etc.
\$0.21	\$29.39	Includes bridges, safety barriers and retaining walls
\$6.25	\$13.43	Includes asphalt & concrete pavement
\$1,584.54	\$384.89	Includes annual maintenance, fixed back office costs, transaction based cost & credit card fees
\$359.97	\$412.88	For both delivery methods assumed 4.5% of Revenue
\$5.84	\$5.81	Assumed the same for both delivery methods
\$0.00	\$0.83	
\$20.05	\$18.89	Includes drainage, landscaping etc.
\$4.74	\$51.46	General & Administrative costs
rs \$1,982	\$1,091	
	\$0.00 \$0.21 \$6.25 \$1,584.54 \$359.97 \$5.84 \$0.00 \$20.05 \$4.74	\$0.00 \$173.62 \$0.21 \$29.39 \$6.25 \$13.43 \$1,584.54 \$384.89 \$359.97 \$412.88 \$5.84 \$5.81 \$0.00 \$0.83 \$20.05 \$18.89 \$4.74 \$51.46



Tolling & ITS Costs

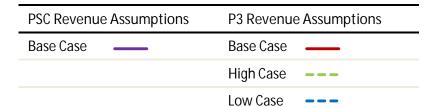
SR 509 Tolling & ITS Comparison

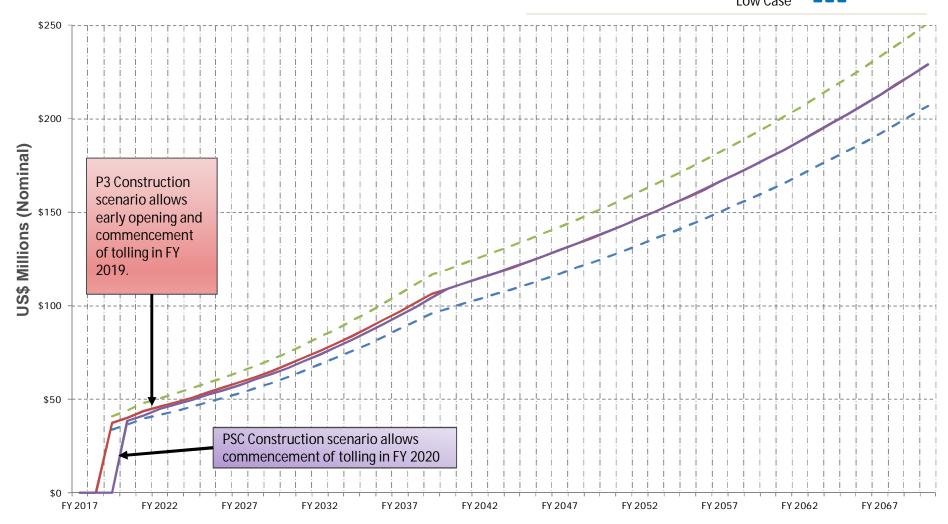


Financial Model Inputs (SR 167 Toll Lanes)

AECOM: KPMG: Nossaman

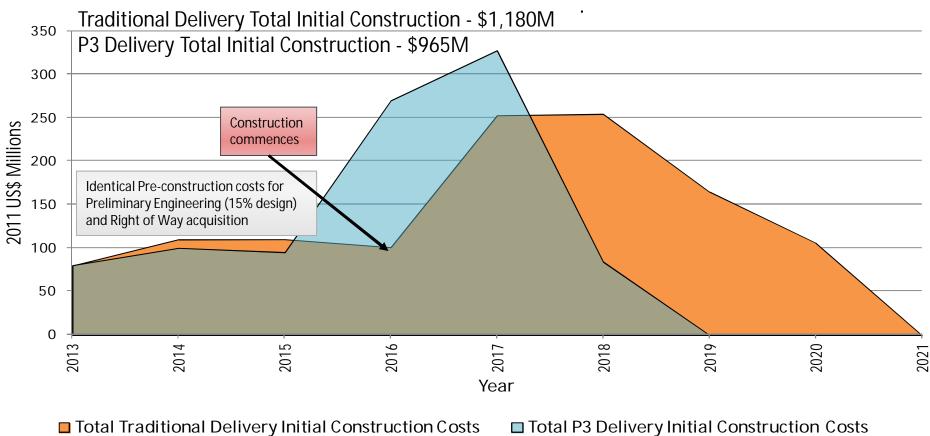
Revenue Assumptions



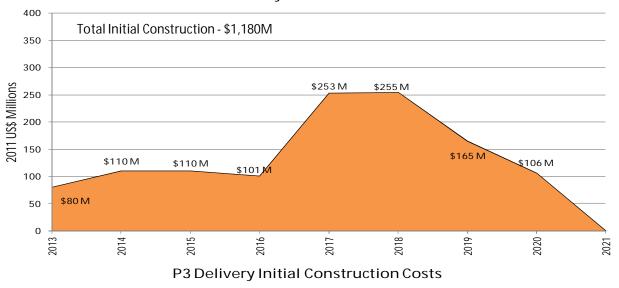


P3 Case assumes accelerated construction schedule

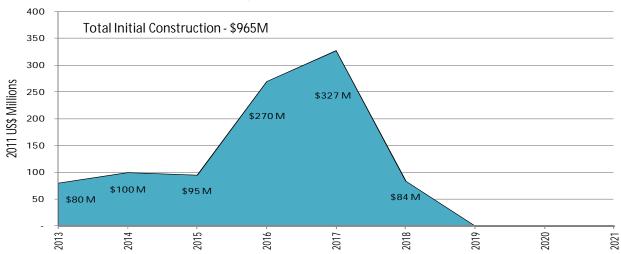








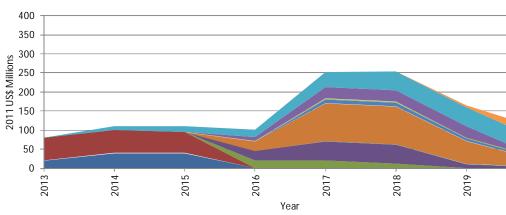
Right of Way and Design costs are assumed the same for both forms of delivery



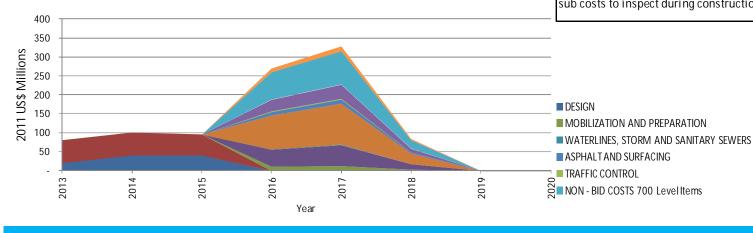
Initial Construction Costs Savings for the P3
Delivery method are based on the ability of
the private sector to complete construction
within 2.5 years instead of 5, reducing all time
dependant costs such as Mobilization &
Preparation and Traffic Control, and to a
lesser extent other costs such as Design

The private sector would have the ability to bulk purchase materials such as steel which could potentially provide significant savings. However, this has not been assumed for this project.

SR 167 Express Toll Lanes Traditional Delivery Initial Construction Costs



SR 167 Express Toll Lanes P3 Delivery Initial Construction Costs



SR 167 Express Toll Lanes Initial Construction	Traditional	P3 Delivery
Costs (Millions)	Delivery	rs Delivery
DESIGN	\$100	\$100
RIGHT of WAY	\$175	\$175
MOBILIZATION AND PREPARATION	\$52	\$26
GRADING, DRAINAGE AND STOCKPILING	\$138	\$113
WATERLINES, STORM AND SANITARY SEWERS	\$5	\$4
STRUCTURES	\$303	\$226
ASPHALT AND SURFACING	\$31	\$23
CEMENT CONCRETE PAVEMENT	\$0	\$0
TRAFFIC CONTROL	\$9	\$5
OTHER ITEMS*	\$102	\$77
NON - BID COSTS 700 Level Items **	\$232	\$181
TOLLING & ITS	\$34	\$27
Total Construction Cost	\$1,180	\$956

Other Items include Design, QAQC (15%), Guardrail, Signage other minor items, Environmental mitigation like recon of wetlands, stream restoration etc, differing site conditions

■ RIGHT of WAY

■ GRADING, DRAINAGE AND STOCKPILING

STRUCTURES

■ CEMENT CONCRETE PAVEMENT

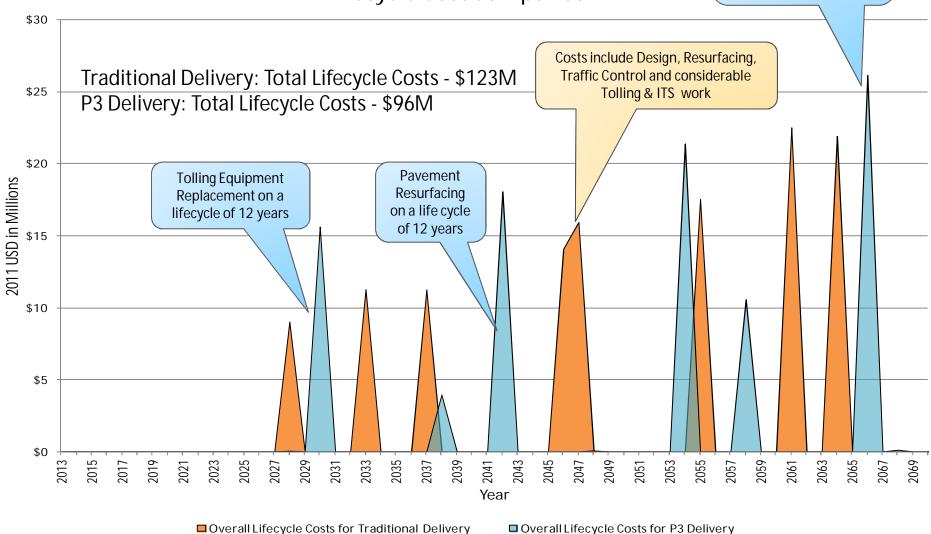
■ OTHER ITEMS

^{**} Non Bid Costs include sales tax, construction engineering (WSDOTs own and sub costs to inspect during construction) contingency, stipend for failed bidders

Lifecycle Costs

Pavement Resurfacing, Bridge Structure Repair & Tolling Equipment Replacement to meet Handback Requirements

Lifecycle Cost Comparison

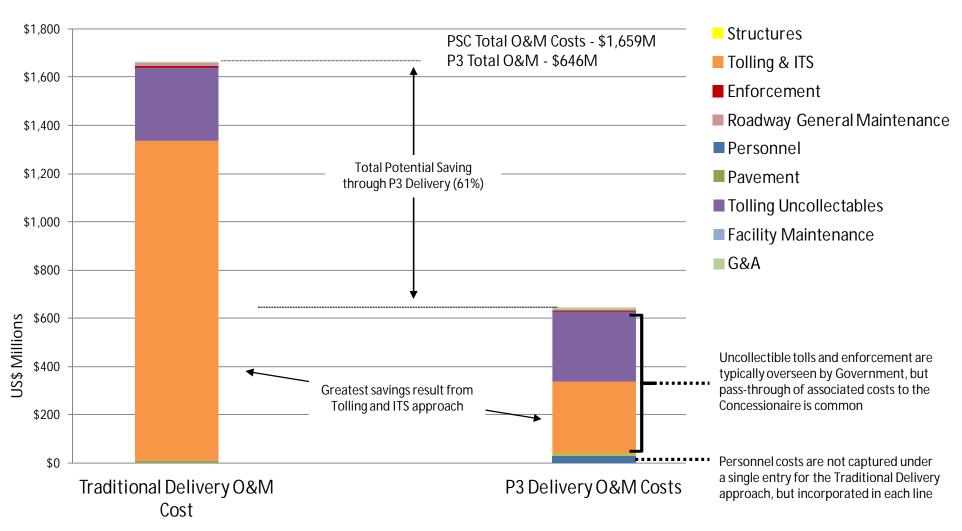


Lifecycle Costs

SR 167 Express Toll Lanes Lifecycle Costs	Traditional	P3 Delivery		
(Millions)	Delivery	, 		
Roadway Maintenance	\$12.93	\$0.28		
Structures \$51.83	φ12.93	\$35.45 -	\$41.28	
Pavement Maintenance	\$28.34	\$16.10 J		
Tolling & ITS Maintenance	\$47.14	\$23.47		
Other Misc. Items	\$17.74	\$0.00		
Engineering, Construction Mgmt. and	\$9.81	\$6.02		
Testing Fees	φ9.01	φ0.02		
Design	\$0.00*	\$3.77		
Mobilization and Preparation	\$7.55	\$4.52		
General Contingencies	\$0.00*	\$6.51		
Total Over Concession	\$123.51	\$96.12		
* Cost is included within Engineering, Construction Mgmt. and Testing Fees				

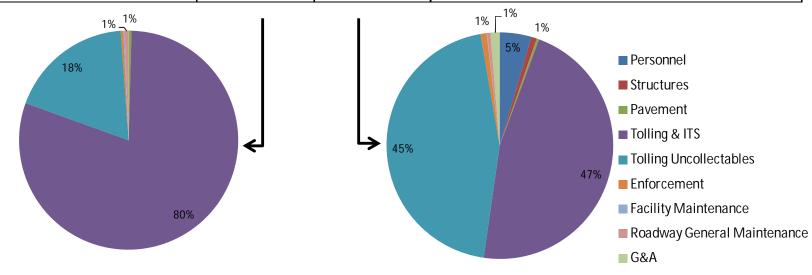
- Overall, P3 costs are 22% lower in nominal (2011) dollars
- P3 case actually spends significantly more on pavement and structure repairs
- Majority of savings are on Tolling and ITS (\$24M or 50% of the total savings)

O&M Costs Operation & Maintenance Forecast Comparison



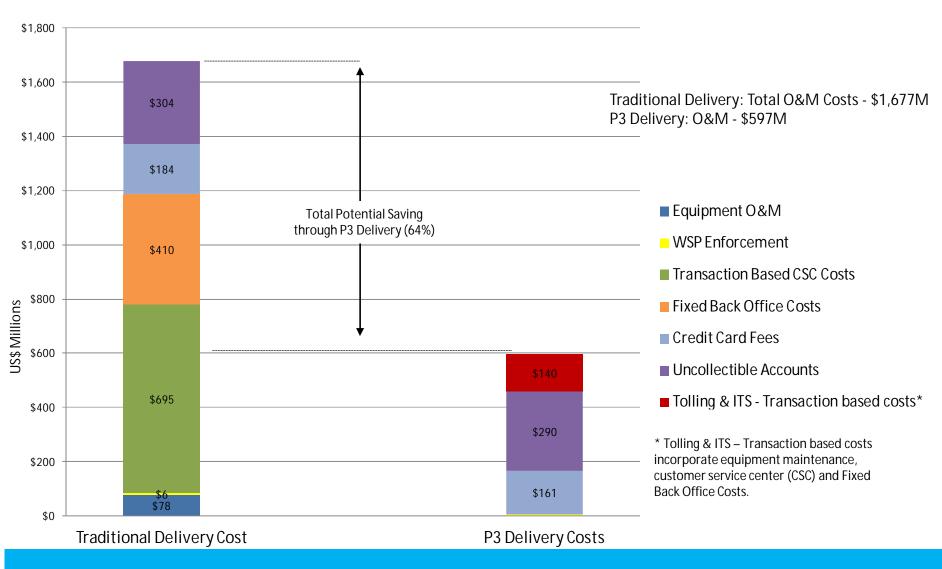
O&M Costs

SR 167 Express Toll Lanes O&M Costs (Millions)	Traditional Delivery	P3 Delivery	Comment
Personnel	\$0.00	\$29.10	WashDot personnel costs are incorporated within each of the line items such as structures, pavements etc.
Structures	\$0.00	\$4.93	Includes bridges, safety barriers and retaining walls
Pavement	\$6.46	\$2.25	Includes asphalt & concrete pavement
Tolling & ITS	\$1,367.15	\$301.09	Includes annual maintenance, fixed back office costs, transaction based cost & credit card fees
Tolling Uncollectables	\$304.35	\$290.36	For both delivery methods assumed 4.5% of Revenue
Enforcement	\$5.84	\$5.89	Assumed the same for both delivery methods
Facility Maintenance	\$0.00	\$0.14	
Roadway General Maintenance	\$12.88	\$3.17	Includes drainage, landscaping etc.
G&A	\$2.18	\$8.63	General & Administrative costs
Total Over Concession	\$1,699	\$646	



Tolling & ITS Costs

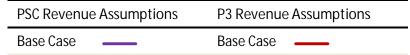
SR 167 Tolling & ITS Comparison



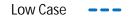
Financial Model Inputs (Columbia River Crossing)

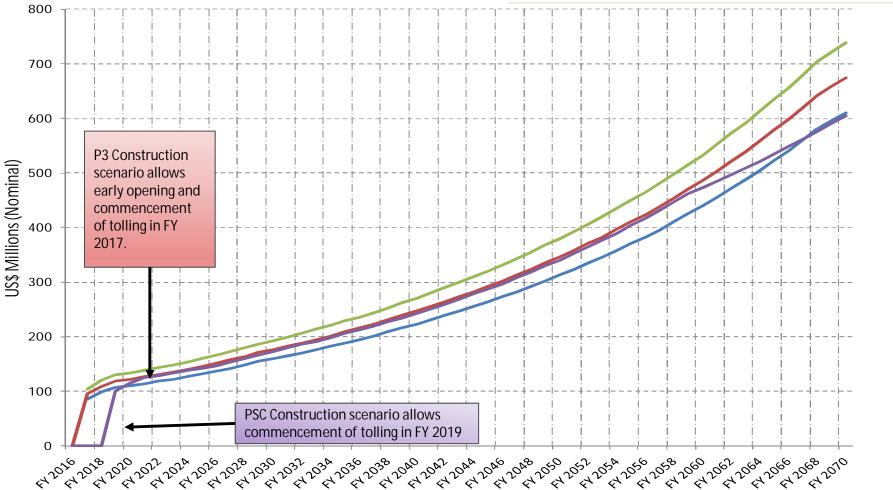
AECOM: KPMG: Nossaman





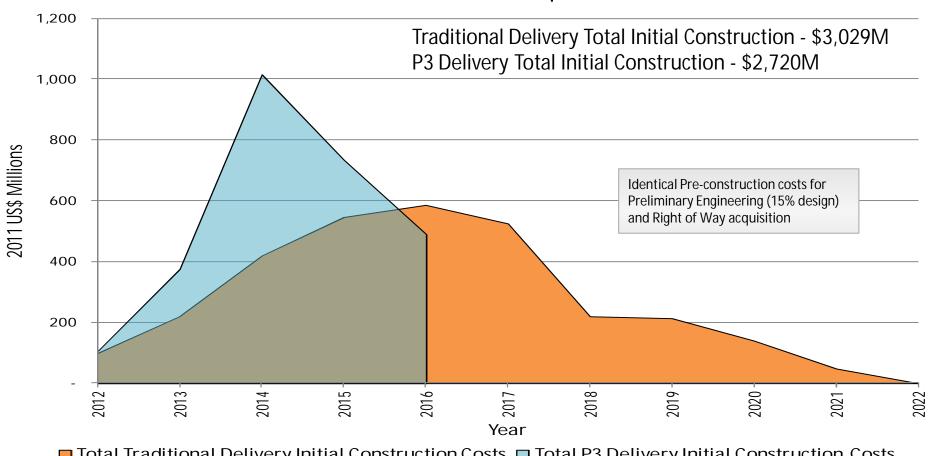






P3 Case assumes accelerated construction schedule

Initial Construction Comparison

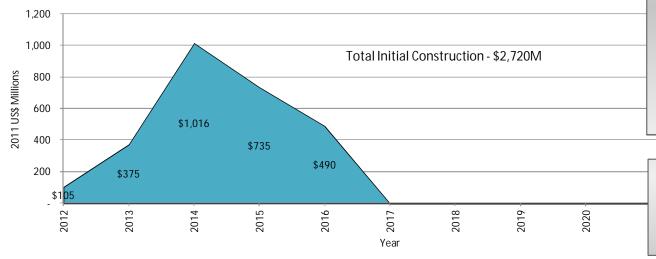






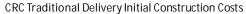
Right of Way and Design costs are assumed the same for both forms of delivery

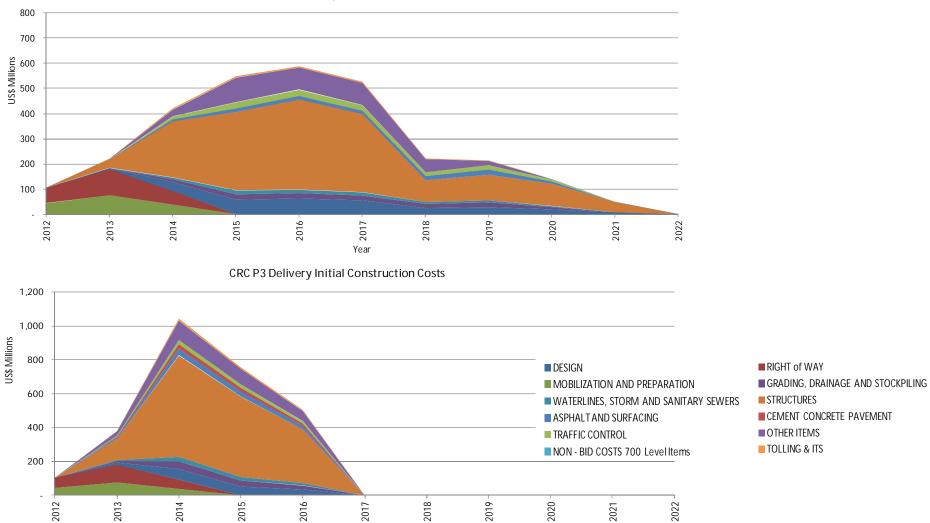
CRC P3 Delivery Initial Construction Costs



Initial Construction Costs Savings for the P3 Delivery method are based on the ability of the private sector to complete construction within 5 years instead of 9, reducing all time dependant costs such as Mobilization & Preparation and Traffic Control, and to a lesser extent other costs such as Design

The private sector would have the ability to bulk purchase materials such as steel which could potentially provide significant savings . However, this has not been assumed for this project.





Year

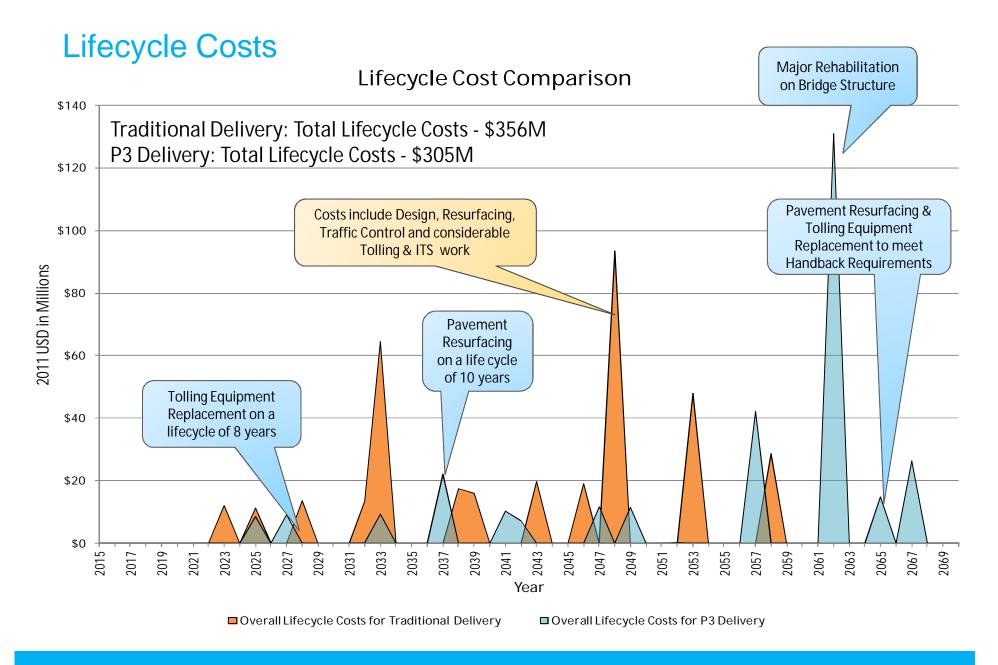
Initial Construction Costs

CRC Toll Lanes Initial Construction Costs	Traditional	P3 Delivery
(Millions)	Delivery	1 3 Delivery
DESIGN	\$157	\$157
RIGHT of WAY	\$220	\$220
MOBILIZATION AND PREPARATION	\$293	\$162
GRADING, DRAINAGE AND STOCKPILING	\$120	\$116
WATERLINES, STORM AND SANITARY SEWERS	\$68	\$66
STRUCTURES	\$1,553	\$1,519
ASPHALT AND SURFACING	\$101	\$99
CEMENT CONCRETE PAVEMENT	\$0	\$0
TRAFFIC CONTROL	\$122	\$68
OTHER ITEMS*	\$368	\$287
NON - BID COSTS 700 Level Items **	\$0	\$0
TOLLING & ITS	\$27	\$27
Total Construction Cost	\$3,029	\$2,720

^{*} Other Items include Design, QAQC (15%), Guardrail, Signage other minor items, Environmental mitigation like recon of wetlands, stream restoration etc, differing site conditions

- Overall, P3 costs are 10% lower in nominal (2011) dollars
- Design & Right of Way costs are the same for both forms of delivery
- Majority of savings are on Mobilization and Preparation

^{**} Non Bid Costs include sales tax, construction engineering (WSDOTs own and sub costs to inspect during construction) contingency, stipend for failed bidders

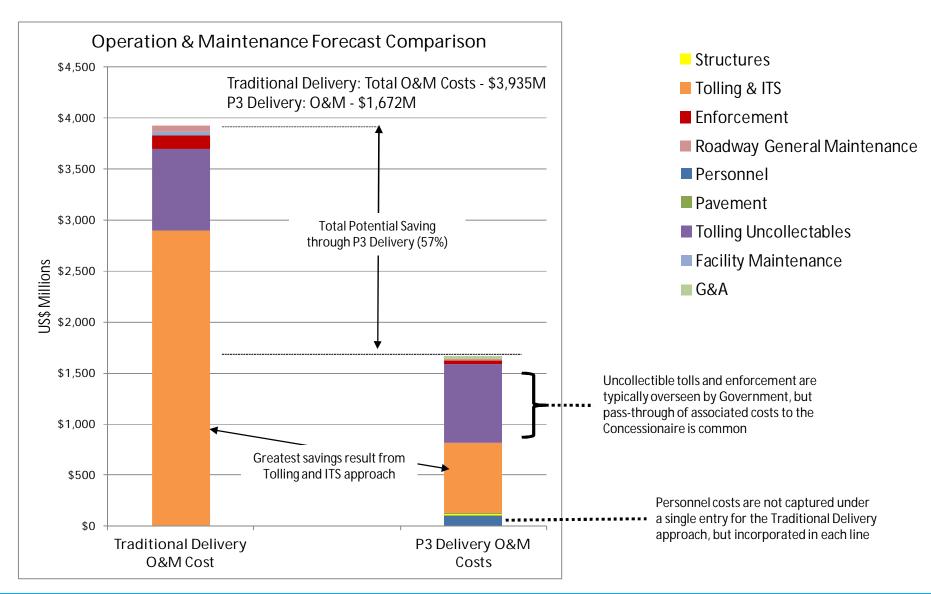


Lifecycle Costs

CRC Toll Lanes Lifecycle Costs (Millions)	Traditional Delivery	P3 Delivery
Roadway Maintenance	\$42.41	\$1.62
Pavement Maintenance	\$105.33	\$21.87
Structures	\$0.00	\$150.39
Tolling & ITS Maintenance	\$109.91	\$57.20
Other Misc. Items	\$50.58	\$0.00
Engineering, Construction Mgmt. and Testing Fees	\$27.98	\$23.11
Design	\$0.00	\$11.55
Mobilization and Preparation	\$21.52	\$13.86
General Contingencies	\$0.00	\$25.42
Total Over Concession	\$357.73	\$305.03

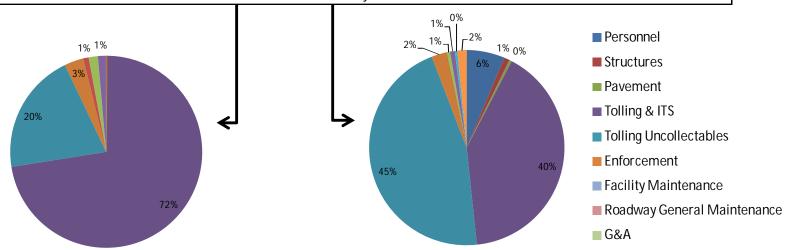
- Overall, P3 costs are 15% lower in nominal (2011) dollars
- P3 case actually spends significantly more on Structure repairs

O&M Costs

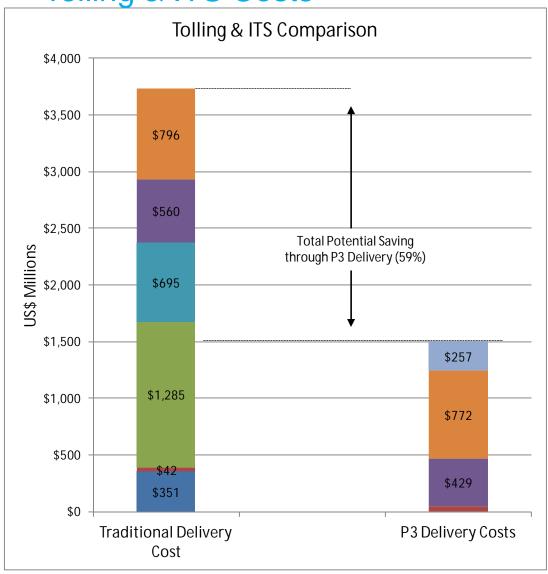


O&M Costs

CRC Toll Lanes O&M Costs (Millions) *	Traditional Delivery	P3 Delivery	Comment
Personnel	\$0.00	\$106.32	WashDot personnel costs are incorporated within each of the line items such as structures, pavements etc.
Structures	\$9.46	\$15.00	Includes bridges, safety barriers and retaining walls
Pavement	\$0.00	\$6.86	Includes asphalt & concrete pavement
Tolling & ITS	\$2,891.04	\$685.95	Includes annual maintenance, fixed back office costs, transaction based cost & credit card fees
Tolling Uncollectables	\$796.24	\$771.58	For both delivery methods assumed 4.5% of Revenue
Enforcement	\$130.48	\$41.92	Assumed the same for both delivery methods
Facility Maintenance	\$8.76	\$34.63	Assumed the same for both delivery methods
Roadway General Maintenance	\$36.22	\$0.42	
G&A	\$62.88	\$9.64	
	***	04.070	
Total Over Concession Costs associated with Insurance Preimums	\$3,935	\$1,672	



Tolling & ITS Costs



Traditional Delivery: Total O&M Costs - \$3,729M P3 Delivery: O&M - \$1,499M

- Equipment O&M
- WSP Enforcement
- Transaction Based CSC Costs
- Fixed Back Office Costs
- Credit Card Fees
- Uncollectible Accounts
- Tolling & ITS Transaction based costs*

^{*} Tolling & ITS – Transaction based costs incorporate equipment maintenance, customer service center (CSC) and Fixed Back Office Costs.