

# Oklahoma Turnpike Authority

## Five Year Capital Plan

In November 1994, the Authority adopted a five-year Program of Turnpike System improvements and maintenance projects in the amount of \$196,704,554 to cover the years 1995 through 1999. In developing this plan, the Authority identified the maintenance, rehabilitation and improvement needs of its existing system for the next 20 to 30 years and instituted a five-year maintenance and rehabilitation program designed to keep existing turnpikes in good condition thereby maintaining traffic flows and extending the useful life of the turnpikes. The maintenance, rehabilitation and improvement projects included in the five-year program should significantly increase the functionality and condition of the entire turnpike system. The five-year maintenance program is reviewed and updated on an annual basis.

The Capital Plan is prepared as a component of the Oklahoma Transportation Authority's budget in cooperation with the Engineering division. A major part of the plan is to identify revenue sources that will be utilized to fund these projects and to insure that resources are utilized in a manner that is consistent with the Authority's long-term goals. The plan addresses such issues as:

- What revenue sources are available to fund the five-year program?
- What limitations impact the use of these funds for various projects?
- How can resources best be utilized to further the long-range plans and financial goals of the Turnpike Authority?

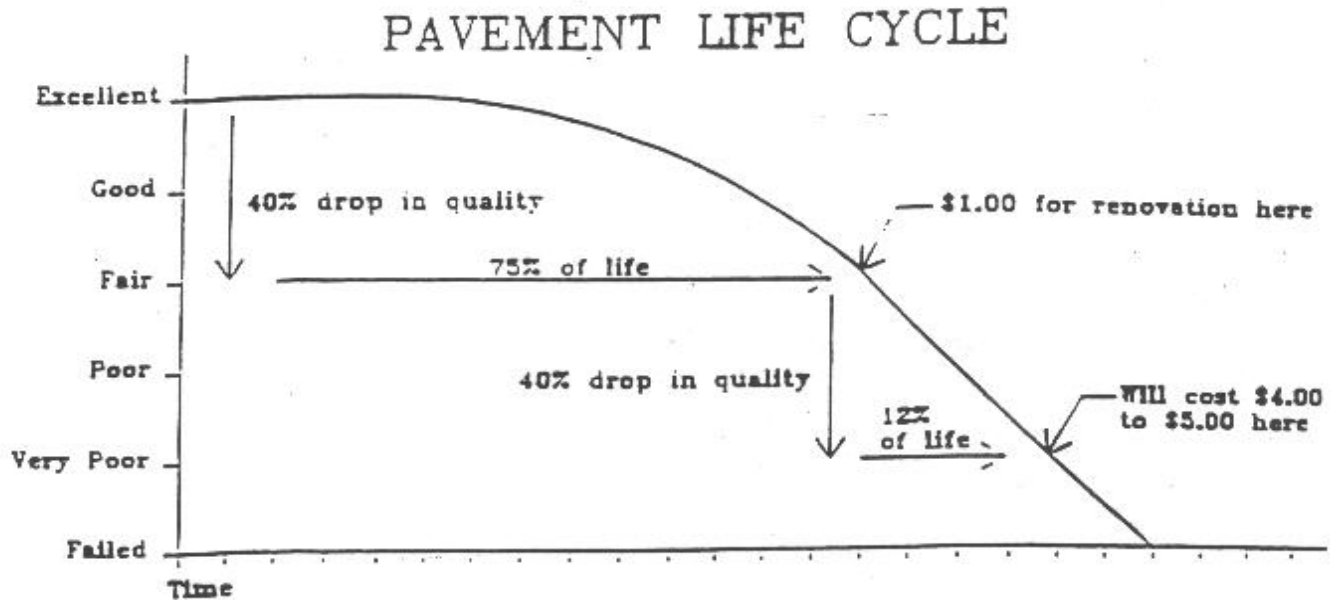
Integral to the conclusions and recommendations contained in the Plan are the assumptions made concerning the long term financial and operating goals of the Turnpike Authority. Certain assumptions have been made while preparing the Capital Plan. Assumptions concerning projected revenues, expenditures, and interest earnings of the turnpike system have been provided by in-house staff based upon past experience, the current budget, and revenue studies prepared by our traffic consultants. Assumptions concerning project costs and the timing of project expenditures have been provided by in-house staff based on engineering studies prepared by consultants as well.

The Capital Plan is based upon the following assumptions:

- An ongoing maintenance and rehabilitation program will extend the useful life of the System.
- Financial resources should be managed to build flexibility for the funding of new projects in the future.
- Financial resources should be managed to maintain a sound financial condition.
- The System must at all times meet the covenants under the Trust Agreement.
- Financial resources should be managed to build and maintain credit rating and investor confidence.

A major basis for having a comprehensive capital plan is *because* of that first assumption--that an ongoing maintenance and rehabilitation program *will* extend the useful life of the System. It is indeed a "pay now" or "pay **a lot more** later" proposition. Engineering studies have confirmed that accelerating capital costs and renovating the system sooner can significantly cut costs from the routine maintenance budget. As can be seen from the Pavement Life Cycle graph below, routine maintenance costs can be reduced from approximately \$4 to \$1 if there is a plan for comprehensive renovation in place.

## Oklahoma Turnpike Authority Five Year Capital Plan



Along with the cost-savings issue comes a customer service issue. Our patrons are paying a premium to drive on our roads. For that premium paid, they expect a better than average road--a road in good condition that provides some element of time savings. The capital plan rehabilitation should help maintain the system's conditions as well as facilitate traffic flows thereby leading to greater traffic growth and in turn, higher revenues.

This Capital Plan for the years 2017-2021 totals \$472,775,408 and includes \$149.9 million for Paving Rehabilitation, \$58.1 million for Bridge Rehabilitation, \$17.3 million in Concession Area redevelopment, \$127.5 million in Interchanges and Toll plaza improvements, \$26.9 million for safety, positive barrier, surface treatment, striping, and guardrail improvements, \$35 million for PIKEPASS and toll collection related items, \$11.2 million for Highway Patrol related items, \$6.6 million for Maintenance Machinery & Equipment, \$4.5 million in Building Improvements, \$2.7 million in concrete panel lifting, and \$33.1 million for various other capital projects.

Details of the 2017-2021 Capital Plan can be found on the following pages.

**Oklahoma Turnpike Authority  
Proposed Five Year Capital Plan Detail**

<u>TURNPIKE</u>	<u>CAPITAL PROJECT</u>	<u>LOCATION</u>	<u>YEAR</u>	<u>Construction Cost</u>	<u>Constr.</u>		<u>Estimated Cost</u>
					<u>Insp/Testing</u>	<u>Design Cost</u>	
All Tpk	Safety Toll Improvements	Various Locations	2017	\$80,000	\$0	\$0	\$80,000
All Tpk	Concrete Panel Lifting	Various Locations	2017	\$300,000	\$0	\$0	\$300,000
All Tpk	Engineering Consultant	Various Locations	2017	\$900,000	\$0	\$0	\$900,000
All Tpk	Maintenance Equipment	Various Locations	2017	\$1,200,000	\$0	\$0	\$1,200,000
All Tpk	Maintenance Leased Equipment	Various Locations	2017	\$626,550	\$0	\$0	\$626,550
All Tpk	Surface Treatment & Re-stripping	IN / T / HEB	2017	\$1,000,000	\$0	\$0	\$1,000,000
All Tpk	Maintenance Support Bldgs. Renovations(4)	Chick./Musk/ McA/Cim.	2017	\$450,000	\$0	\$0	\$450,000
All Tpk	Bridge and Property Insurance	Various Locations	2017	\$600,000	\$0	\$0	\$600,000
H. E. Bailey	Maintenance Satellite Facility (SP-56B)	Fletcher/Walters	2017	\$1,020,000	\$105,000	\$71,803	\$1,196,803
Indian Nation	Toll Plaza Reconstruction, (IN-MC-56)	Antlers (SH-3)	2017	\$14,280,000	\$255,500	\$795,000	\$15,330,500
Indian Nation	Pavement Replacement - Settlement Mitigation	McAlester - MP 63.3	2017	\$1,020,000	\$42,000	\$75,000	\$1,137,000
Kilpatrick	LHP Direct Connects (JKT-MC-10)	Kilpatrick Tpk	2017	\$19,380,000	\$280,000	\$500,000	\$20,160,000
Muskogee	Canopy Replacement	Muskogee Toll Plaza	2017	\$100,000	\$25,000	\$28,000	\$153,000
Muskogee	Canopy Replacement and Pavement Widening on Ramps	US-69	2017	\$432,000	\$105,000	\$28,000	\$565,000
Turner	Service Plaza Modernization	Hoback Plaza	2017	\$10,200,000	\$280,000	\$600,000	\$11,080,000
Turner	Pavement Rehabilitation (T-MC-129)	MP 151-156	2017	\$7,650,000	\$180,000	\$225,000	\$8,055,000
Turner	Pavement Rehabilitation (T-MC-130)	MP 161-166	2017	\$7,650,000	\$180,000	\$225,000	\$8,055,000
Turner	Bridge Replacement U.S. 66 <b>ODOT</b> (T-MC-131)	Bridges 22.10 N&S (MP 157.5)	2017	\$9,180,000	\$294,000	\$480,000	\$9,954,000
Will Rogers	SH-10	Interchange Study	2017	\$0	\$0	\$500,000	\$500,000
Will Rogers	Pavement Rehabilitation (WR-MC-130)	MP 316-320	2017	\$6,120,000	\$105,000	\$180,000	\$6,405,000
Will Rogers	Flint Road Bridge Only	Claremore - SH-20	2017	\$3,060,000	\$210,000	\$180,000	\$3,450,000
	<b>Total Roads and Bridges</b>						<b>\$91,197,853</b>
IT	ETC System Improvement (Fiber, Firewalls, Network)		2017	\$480,000	\$0	\$0	\$480,000
IT	Computer Hardware/Software/Licenses/Storage		2017	\$350,000	\$0	\$0	\$350,000
IT	ETC Database Development		2017	\$232,804	\$0	\$0	\$232,804
IT	ETC Software Development		2017	\$320,000	\$0	\$0	\$320,000
IT	Network Contractor		2017	\$171,000	\$0	\$0	\$171,000
IT	PIKEPASS Phone Recording Storage System		2017	\$500,000	\$0	\$0	\$500,000
Toll	Lane Controller Upgrades (Attended Lane)		2017	\$2,000,000	\$0	\$0	\$2,000,000
Toll	ETC & AVI System Improvements		2017	\$580,125	\$0	\$0	\$580,125
Toll	Violation enforcement Cameras		2017	\$5,150,000	\$0	\$0	\$5,150,000
Toll	ATPM MLT Deployment/ATPM		2017	\$413,000	\$0	\$0	\$413,000
Toll	ACM Cabinet and Mechanical Refurbishment&ACM retrofit		2017	\$278,775	\$0	\$0	\$278,775
Toll	Treadle frame replacement		2017	\$220,500	\$0	\$0	\$220,500
Toll	NEMA Equipment enclosures		2017	\$33,075	\$0	\$0	\$33,075
Toll	Changer Refurb/Vault repair/Printer Kits/ATPM APM Vault Hopper		2017	\$85,750	\$0	\$0	\$85,750
Toll	Coin and Currency Counters		2017	\$60,000	\$0	\$0	\$60,000
Toll	VES ACM Lanes		2017	\$250,000	\$0	\$0	\$250,000
Toll	General Technology Consultants		2017	\$1,750,000	\$0	\$0	\$1,750,000
Toll	A/C Unit Equipment Replacements for Equipment Huts		2017	\$110,250	\$0	\$0	\$110,250
Toll	Credit Card Capability		2017	\$1,100,000	\$0	\$0	\$1,100,000
Toll	Emergency Tolling Trailer/Hallet Office Building		2017	\$145,000	\$0	\$0	\$145,000
Toll	VES front/rear pilot site		2017	\$350,000	\$0	\$0	\$350,000
Toll	Plaza Facility UPS decommissioning/UPS IP card		2017	\$185,000	\$0	\$0	\$185,000
Controller	A/P Clerk for Driving Forward		2017	\$43,928	\$0	\$0	\$43,928
PIKEPASS	Peoria Elm Pilot Project		2017	\$3,865,529	\$0	\$0	\$3,865,529
OHP	OHP Patrol Cars and Equipment (50)		2017	\$2,847,450	\$0	\$0	\$2,847,450
Engr.	Engineering Inspection Services		2017	\$344,545	\$0	\$0	\$344,545
	<b>Total Other Capital Projects</b>						<b>\$21,866,731</b>
						<b>Total 2017 Capital Plan</b>	<b>\$113,064,584</b>

**Oklahoma Turnpike Authority  
Proposed Five Year Capital Plan Detail**

<u>TURNPIKE</u>	<u>CAPITAL PROJECT</u>	<u>LOCATION</u>	<u>YEAR</u>	<u>Construction Cost</u>	<u>Constr.</u>		<u>Estimated Cost</u>
					<u>Insp/Testing</u>	<u>Design Cost</u>	
All Tpk	Safety Toll Improvements	Various Locations	2018	\$80,000	\$0	\$0	\$80,000
All Tpk	Concrete Panel Lifting	Various Locations	2018	\$300,000	\$0	\$0	\$300,000
All Tpk	Engineering Consultant	Various Locations	2018	\$900,000	\$0	\$0	\$900,000
All Tpk	Maintenance Equipment	Various Locations	2018	\$1,200,000	\$0	\$0	\$1,200,000
All Tpk	Bridge and Property Insurance	Various Locations	2018	\$600,000	\$0	\$0	\$600,000
All Tpk	Surface Treatment & Re-stripping	IN / T / HEB	2018	\$1,000,000	\$0	\$0	\$1,000,000
Cimarron	Toll Plaza Reconstruction, ODOT	SH 99	2018	\$14,560,000	\$252,000	\$600,000	\$15,412,000
H. E. Bailey	Toll Plaza Reconstruction, ODOT	Walters (SH-5)	2018	\$14,560,000	\$252,000	\$600,000	\$15,412,000
Indian Nation	Bridge Rehabilitation	BR 65.94 (MP 38.1)	2018	\$2,544,000	\$168,000	\$168,000	\$2,880,000
Kilpatrick	LHP Direct Connects (JKT-MC-10) (cont'd)	Kilpatrick Tpk	2018	\$21,200,000	\$350,000	\$500,000	\$22,050,000
Kilpatrick	Sara Road at 59th	Kilpatrick Extension	2018	\$6,000,000	\$0	\$0	\$6,000,000
Muskogee	Bridge Rehabilitation ODOT	Br. 55.56 over US-64 (MP 55.56)	2018	\$2,267,200	\$168,000	\$152,600	\$2,587,800
Turner	Pavement Reconstruction	MP 135-6/178-9/196-7	2018	\$5,668,000	\$180,000	\$163,500	\$6,011,500
Turner	Service Plaza Modernization (cont.)	Hoback Plaza	2018	\$6,240,000	\$240,000		\$6,480,000
Will Rogers	Pavement Rehabilitation	MP 280-285	2018	\$3,848,000	\$105,000	\$180,000	\$4,133,000
Will Rogers	Pavement Rehabilitation	MP 291-297	2018	\$7,800,000	\$105,000	\$240,000	\$8,145,000
	<b>Total Roads and Bridges</b>						<b>\$93,191,300</b>
IT	ETC System Improvement (Fiber, Firewalls, Network)		2018	\$480,000	\$0	\$0	\$480,000
IT	Computer Hardware/Software/Licenses/Storage		2018	\$350,000	\$0	\$0	\$350,000
IT	ETC Database Development		2018	\$220,000	\$0	\$0	\$220,000
IT	ETC Software Development		2018	\$320,000	\$0	\$0	\$320,000
Toll	AVI System Improvement		2018	\$57,881	\$0	\$0	\$57,881
Toll	A/C Unit Replacement		2018	\$115,763	\$0	\$0	\$115,763
Toll	NEMA Equipment Enclosures		2018	\$34,729	\$0	\$0	\$34,729
Toll	IVIS in VES lanes		2018	\$225,000	\$0	\$0	\$225,000
Toll	ETC System Improvements		2018	\$500,000	\$0	\$0	\$500,000
Toll	Reader Upgrade		2018	\$10,000,000	\$0	\$0	\$10,000,000
Toll	Treadle Frame Replacement		2018	\$231,525	\$0	\$0	\$231,525
Toll	ACM Vault & Bill Changer Replacement/Refurb		2018	\$236,513	\$0	\$0	\$236,513
Toll	ACM Mech & cabinet Refurbishment		2018	\$292,714	\$0	\$0	\$292,714
Toll	Vault (ACM) in-service repairable		2018	\$45,000	\$0	\$0	\$45,000
Toll	Printer kits		2018	\$16,538	\$0	\$0	\$16,538
Toll	ATPM/APM Vault/Hopper replacement		2018	\$15,000	\$0	\$0	\$15,000
Toll	Credit Card Capability		2018	\$1,000,000	\$0	\$0	\$1,000,000
Toll	Coin & Currency Counters		2018	\$60,000	\$0	\$0	\$60,000
Toll	Office Building Hallet		2018	\$15,000	\$0	\$0	\$15,000
OHP	OHP Patrol Cars and Equipment		2018	\$2,100,000	\$0	\$0	\$2,100,000
Engr.	Engineering Inspection Services		2018	\$344,345	\$0	\$0	\$344,345
	<b>Total Other Capital Projects</b>						<b>\$16,660,008</b>
						<b>Total 2018 Capital Plan</b>	<b>\$109,851,308</b>

**Oklahoma Turnpike Authority  
Proposed Five Year Capital Plan Detail**

<u>TURNPIKE</u>	<u>CAPITAL PROJECT</u>	<u>LOCATION</u>	<u>YEAR</u>	<u>Construction Cost</u>	<u>Constr.</u>		<u>Estimated Cost</u>
					<u>Insp/Testing</u>	<u>Design Cost</u>	
All Tpk	Safety Toll Improvements	Various Locations	2019	\$80,000	\$0	\$0	\$80,000
All Tpk	Concrete Panel Lifting	Various Locations	2019	\$300,000	\$0	\$0	\$300,000
All Tpk	Engineering Consultant	Various Locations	2019	\$900,000	\$0	\$0	\$900,000
All Tpk	Maintenance Equipment	Various Locations	2019	\$1,200,000	\$0	\$0	\$1,200,000
All Tpk	Surface Treatment & Re-striping	Various Locations	2019	\$1,000,000	\$0	\$0	\$1,000,000
All Tpk	Bridge and Property Insurance	Various Locations	2019	\$600,000	\$0	\$0	\$600,000
Cimarron	Bridge Rehabilitation (US-64) ODOT	BR 22.5 (MP 22.5)	2019	\$3,180,000	\$160,000	\$210,000	\$3,550,000
Cimarron	Bridge Rehabilitation (SH-48) ODOT	BR 58.57 (MP 58.5)	2019	\$2,438,000	\$160,000	\$161,000	\$2,759,000
Cimarron	Bridge Rehabilitation	Br. 48.58 at RR tracks (MP 45.58)	2019	\$2,729,500	\$168,000	\$180,250	\$3,077,750
Cimarron	Pavement Reconstruction and Cable Barrier	MP 21-25	2019	\$12,190,000	\$294,000	\$290,000	\$12,774,000
Indian Nation	Positive Barrier	MP 60-72	2019	\$3,744,000	\$126,000	\$85,000	\$3,955,000
Indian Nation	Pavement Rehabilitation	MP 0-10	2019	\$9,880,000	\$147,000	\$237,500	\$10,264,500
Indian Nation	Bridge Rehabilitation	Br. 35.24 (MP 69)	2019	\$2,600,000	\$168,000	\$175,000	\$2,943,000
Muskogee	Positive Barrier	MP 37-56	2019	\$5,824,000	\$168,000	\$120,000	\$6,112,000
Turner	Pavement Rehabilitation	MP 141-146	2019	\$7,950,000	\$180,000	\$225,000	\$8,355,000
Turner	Toll Plaza Canopy Modification	Stroud & Vinita	2019	\$1,000,000	\$216,000	\$50,000	\$1,266,000
Turner	Bridge Replacement (Chandler Interchange)	BR 32 (MP 167)	2019	\$3,180,000	\$160,000	\$210,000	\$3,550,000
Will Rogers	Flint Road Interchange ODOT	Claremore	2019	\$10,200,000	\$294,000	\$700,000	\$11,194,000
Will Rogers	Bridge Reconstruction ODOT	Br. 70.66 SH-125 (in-design)	2019	\$3,275,400	\$168,000	\$216,300	\$3,659,700
Will Rogers	Pavement Rehabilitation	MP 275-280	2019	\$7,950,000	\$126,000	\$225,000	\$8,301,000
	<b>Total Roads and Bridges</b>						<b>\$85,840,950</b>
IT	ETC System Improvement (Fiber, Firewalls, Network)		2019	\$480,000	\$0	\$0	\$480,000
IT	Computer Hardware/Software/Licenses/Storage		2019	\$350,000	\$0	\$0	\$350,000
IT	ETC Database Development		2019	\$220,000	\$0	\$0	\$220,000
IT	ETC Software Development		2019	\$320,000	\$0	\$0	\$320,000
Toll	AVI System Improvement		2019	\$60,775	\$0	\$0	\$60,775
Toll	A/C Unit Replacement		2019	\$121,551	\$0	\$0	\$121,551
Toll	NEMA Equipment Enclosures		2019	\$36,465	\$0	\$0	\$36,465
Toll	Treadle Frame Replacement		2019	\$243,101	\$0	\$0	\$243,101
Toll	Bill Changer Replacement / Refurbishment		2019	\$11,025	\$0	\$0	\$11,025
Toll	ACM Mech & Cabinet Refurbishment		2019	\$307,349	\$0	\$0	\$307,349
Toll	Vault (ACM) in-service repairable		2019	\$45,000	\$0	\$0	\$45,000
Toll	Printer kits		2019	\$17,364	\$0	\$0	\$17,364
Toll	ATPM/APM Vault/Hopper replacement		2019	\$15,000	\$0	\$0	\$15,000
Toll	ATPM MLT Deployment		2019	\$500,000	\$0	\$0	\$500,000
Toll	Coin & Currency Counters		2019	\$60,000	\$0	\$0	\$60,000
OHP	OHP Patrol Cars and Equipment		2019	\$2,100,000	\$0	\$0	\$2,100,000
Engr.	Engineering Inspection Services		2019	\$344,345	\$0	\$0	\$344,345
	<b>Total Other Capital Projects</b>						<b>\$5,231,975</b>
						<b>Total 2019 Capital Plan</b>	<b>\$91,072,925</b>

**Oklahoma Turnpike Authority  
Proposed Five Year Capital Plan Detail**

<u>TURNPIKE</u>	<u>CAPITAL PROJECT</u>	<u>LOCATION</u>	<u>YEAR</u>	<u>Construction Cost</u>	<u>Constr.</u>		<u>Estimated Cost</u>
					<u>Insp/Testing</u>	<u>Design Cost</u>	
All Tpk	Safety Toll Improvements	Various Locations	2020	\$80,000	\$0	\$0	\$80,000
All Tpk	Concrete Panel Lifting	Various Locations	2020	\$300,000	\$0	\$0	\$300,000
All Tpk	Engineering Consultant	Various Locations	2020	\$900,000	\$0	\$0	\$900,000
All Tpk	Maintenance Equipment	Various Locations	2020	\$1,200,000	\$0	\$0	\$1,200,000
All Tpk	Surface Treatment & Re-striping	Various Locations	2020	\$1,000,000	\$0	\$0	\$1,000,000
All Tpk	Bridge and Property Insurance	Various Locations	2020	\$600,000	\$0	\$0	\$600,000
Cimarron	Bridge Rehabilitation	BR 25.74 (MP 25.7)	2020	\$2,916,000	\$160,000	\$189,000	\$3,265,000
Cimarron	Bridge Rehabilitation	BR 58.13 (MP 58.1)	2020	\$2,700,000	\$160,000	\$175,000	\$3,035,000
Cimarron	Toll Plaza Reconstruction ODOT	US 177	2020	\$15,120,000	\$252,000	\$600,000	\$15,972,000
H. E. Bailey	Shoulder and Guardrail Reconstruction	MP 62-77	2020	\$4,860,000	\$130,000	\$135,000	\$5,125,000
H.E. Bailey	Newcastle Toll Plaza Reconstruction	MP 98.7	2020	\$15,120,000	\$252,000	\$600,000	\$15,972,000
Indian Nation	Positive Barrier	MP 30-35	2020	\$1,620,000	\$63,000	\$45,000	\$1,728,000
Indian Nation	Pavement Rehabilitation	MP 10-20	2020	\$7,950,000	\$147,000	\$225,000	\$8,322,000
Kilpatrick	Maintenance Bldg	Kilpatrick Tpk	2020	\$1,620,000	\$115,000	\$245,000	\$1,980,000
Turner	Bridge Rehabilitation	BR 38.2 (MP 173.65)	2020	\$1,944,000	\$160,000	\$126,000	\$2,230,000
Turner	Bridge Reconstruction	BR 60.4 SH-16	2020	\$3,337,200	\$168,000	\$216,300	\$3,721,500
Turner	Concrete Pavement Replacement & LED Lighting Upgrade	Stroud Mainline Toll Plaza	2020	\$1,080,000	\$135,000	\$21,000	\$1,236,000
Will Rogers	Pavement Rehabilitation	MP 270-275	2020	\$6,480,000	\$135,000	\$180,000	\$6,795,000
Will Rogers	Pavement Rehabilitation	MP 285-290 & Vinita Interchange	2020	\$7,560,000	\$135,000	\$180,000	\$7,875,000
Will Rogers	Bridge Rehabilitation ODOT	Br. 77.15 (MP 318) Old SH-137	2020	\$3,337,200	\$168,000	\$216,300	\$3,721,500
<b>Total Roads and Bridges</b>							<b>\$85,058,000</b>
IT	ETC System Improvement (Fiber, Firewalls, Network)		2020	\$480,000	\$0	\$0	\$480,000
IT	Computer Hardware/Software/Licenses/Storage		2020	\$350,000	\$0	\$0	\$350,000
IT	ETC Database Development		2020	\$220,000	\$0	\$0	\$220,000
IT	ETC Software Development		2020	\$320,000	\$0	\$0	\$320,000
Toll	AVI System Improvement		2020	\$63,814	\$0	\$0	\$63,814
Toll	A/C Unit Replacement		2020	\$127,628	\$0	\$0	\$127,628
Toll	NEMA Equipment Enclosures		2020	\$38,288	\$0	\$0	\$38,288
Toll	Lane Controller Upgrade		2020	\$900,000	\$0	\$0	\$900,000
Toll	UPS unit replacement		2020	\$10,000	\$0	\$0	\$10,000
Toll	Treadle Frame Replacement		2020	\$255,256	\$0	\$0	\$255,256
Toll	Bill Changer Replacement / Refurbishment		2020	\$11,576	\$0	\$0	\$11,576
Toll	ACM Mech & Cabinet Refurbishment		2020	\$322,717	\$0	\$0	\$322,717
Toll	Vault (ACM) in-service repairable		2020	\$45,000	\$0	\$0	\$45,000
Toll	Printer kits		2020	\$18,233	\$0	\$0	\$18,233
Toll	ATPM/APM Vault/Hopper replacement		2020	\$15,000	\$0	\$0	\$15,000
Toll	ATPM MLT Deployment		2020	\$200,000	\$0	\$0	\$200,000
Toll	Coin & Currency Counters		2020	\$60,000	\$0	\$0	\$60,000
OHP	OHP Patrol Cars and Equipment		2020	\$2,100,000	\$0	\$0	\$2,100,000
Engr.	Engineering Inspection Services		2020	\$344,345	\$0	\$0	\$344,345
<b>Total Other Capital Projects</b>							<b>\$5,881,857</b>
<b>Total 2020 Capital Plan</b>							<b>\$90,939,857</b>

**Oklahoma Turnpike Authority  
Proposed Five Year Capital Plan Detail**

<u>TURNPIKE</u>	<u>CAPITAL PROJECT</u>	<u>LOCATION</u>	<u>YEAR</u>	<u>Construction Cost</u>	<u>Constr. Insp/Testing</u>	<u>Design Cost</u>	<u>Estimated Cost</u>
All Tpk	Safety Toll Improvements	Various Locations	2021	\$80,000	\$0	\$0	\$80,000
All Tpk	Concrete Panel Lifting	Various Locations	2021	\$300,000	\$0	\$0	\$300,000
All Tpk	Engineering Consultant	Various Locations	2021	\$900,000	\$0	\$0	\$900,000
All Tpk	Maintenance Equipment	Various Locations	2021	\$1,200,000	\$0	\$0	\$1,200,000
All Tpk	Surface Treatment & Re-stripping	Various Locations	2021	\$1,000,000	\$0	\$0	\$1,000,000
All Tpk	Bridge and Property Insurance	Various Locations	2021	\$600,000	\$0	\$0	\$600,000
Cimarron	Pavement Replacement	MP 52-59	2021	\$14,630,000	\$135,000	\$400,000	\$15,165,000
H. E. Bailey	Bridge Rehabilitation	BR 20.1, 20.3 & 20.4	2021	\$6,600,000	\$160,000	\$420,000	\$7,180,000
Indian Nation	Shoulder and Guardrail Reconstruction	MP 32.3-45.6	2021	\$4,400,000	\$130,000	\$120,000	\$4,650,000
Muskogee	Pavement Rehabilitation	MP 29-33.2	2021	\$8,778,000	\$140,000	\$240,000	\$9,158,000
Turner	Maintenance Bldg	Heyburn Satellite Yard	2021	\$594,000	\$115,000	\$160,000	\$869,000
Will Rogers	Pavement Rehabilitation	MP 250-255	2021	\$8,250,000	\$135,000	\$216,000	\$8,601,000
Will Rogers	Pavement Rehabilitation	MP 260-270	2021	\$5,832,000	\$135,000	\$162,000	\$6,129,000
Will Rogers	Pavement Rehabilitation	MP 303-312	2021	\$5,940,000	\$135,000	\$216,000	\$6,291,000
<b>Total Roads and Bridges</b>							<b>\$62,123,000</b>
IT	ETC System Improvement (Fiber, Firewalls, Network)		2021	\$480,000	\$0	\$0	\$480,000
IT	Computer Hardware/Software/Licenses/Storage		2021	\$350,000	\$0	\$0	\$350,000
IT	ETC Database Development		2021	\$220,000	\$0	\$0	\$220,000
IT	ETC Software Development		2021	\$320,000	\$0	\$0	\$320,000
Toll	AVI System Improvement		2021	\$67,005	\$0	\$0	\$67,005
Toll	A/C Unit Replacement		2021	\$134,010	\$0	\$0	\$134,010
Toll	NEMA Equipment Enclosures		2021	\$40,203	\$0	\$0	\$40,203
Toll	Lane Controller Upgrade		2021	\$900,000	\$0	\$0	\$900,000
Toll	UPS unit replacement		2021	\$10,000	\$0	\$0	\$10,000
Toll	Treadle Frame Replacement		2021	\$268,019	\$0	\$0	\$268,019
Toll	Bill Changer Replacement / Refurbishment		2021	\$12,155	\$0	\$0	\$12,155
Toll	ACM Vault & Cabinet Replacement		2021	\$338,853	\$0	\$0	\$338,853
Toll	Vault (ACM) in-service repairable		2021	\$45,000	\$0	\$0	\$45,000
Toll	Printer kits		2021	\$19,144	\$0	\$0	\$19,144
Toll	ATPM/APM Vault/Hopper replacement		2021	\$15,000	\$0	\$0	\$15,000
Toll	Coin & Currency Counters		2021	\$60,000	\$0	\$0	\$60,000
OHP	OHP Patrol Cars and Equipment		2021	\$2,100,000	\$0	\$0	\$2,100,000
Engr.	Engineering Inspection Services		2021	\$344,345	\$0	\$0	\$344,345
<b>Total Other Capital Projects</b>							<b>\$5,723,734</b>
<b>Total 2021 Capital Plan</b>							<b>\$67,846,734</b>
<b>Total 2017-2021 Capital Plan</b>							<b>\$472,775,408</b>