



TRANSPORTATION
PLANNING SERVICES

ENCOMPASS 2045

FINANCIAL PLAN

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METROPOLITAN TRANSPORTATION PLAN (MTP)

Required to include a financial plan, which ***must***:

- Demonstrate total estimated costs will not exceed *reasonably expected* revenues available from public and private sources
- Ensure maintenance and preservation of existing transportation system
- Contain system-level estimates of cost and revenue sources
- Identify and ensure availability of any new funding sources
- Reflect year-of-expenditure dollars for funding estimates included in the plan

METROPOLITAN TRANSPORTATION PLAN (MTP)

The financial plan:

- 30-year period (2015-2045)
- Estimated costs for construction and maintenance:
 - Region's planned street and highway network
 - Bicycle and pedestrian facilities
 - Public transportation system
- Projected revenues
 - Federal, state, and local sources

ESTIMATED COSTS

Cost for capital (construction), maintenance, and right-of-way

- Also referred to as unit costs
- Developed from recent construction information
- In base year (2015) dollars
- Based on Federal Functional Classification
 - Interstates, turnpikes, freeways
 - Principal arterials, minor arterials, collectors
- Urban or Rural

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PROPOSED ENCOMPASS 2045 UNIT COSTS

Project Construction Type	Interstates, Turnpikes & Freeways			Principal Arterials, Minor Arterials, Collectors		
	2010 Unit Costs (Encompass 2040)	2020 Dollars ^a	Proposed 2015 Unit Costs ^b	2010 Unit Costs (Encompass 2040)	2020 Dollars ^a	Proposed 2015 Unit Costs ^b
A. URBAN AREA						
1. NEW CONSTRUCTION						
Construction on New Alignment ^c	\$ 13,781,500	\$ 5,230,000	\$ 14,864,000	\$ 918,800	\$ 1,054,000	\$ 954,900
2. WIDENING						
Reconstruction - Widening with Access Roads	\$ 1,344,400	\$ 1,498,750	\$ 1,357,800		N/A	
Reconstruction - Widening without Access Roads	\$ 983,100	\$ 941,575	\$ 1,060,300	\$ 1,102,500	\$ 1,312,552	\$ 1,189,100
Reconstruction - Widening, Divided Parkway	N/A	N/A		\$ 1,148,500	\$ 1,367,316	\$ 1,238,700
3. MAINTENANCE						
Mill and Overlay with necessary Base Repair	\$ 174,600	\$ 282,539	\$ 256,000	\$ 137,800	\$ 217,338	\$ 196,900
4. OTHERS						
Bridges (if constructed separately) - per square foot	\$ 150	\$ 240	\$ 220	\$ 150	\$ 240	\$ 220
Right-of Way - per acre	\$ 324,200	\$ 385,968	\$ 349,700	\$ 202,100	\$ 240,605	\$ 218,000

^a 2020 Dollar unit costs were based on Oklahoma Department of Transportation (ODOT) awards and provided by the Pre-Construction Program Manager, ODOT Chief Engineer Office, May 2021 or converted from 2010 dollars (Encompass 2010) using Bureau of Labor Statistics CPI Inflation Calculator.

^b 2015 Dollar unit costs were converted from 2020 dollars using Bureau of Labor Statistics CPI Inflation Calculator. Final unit costs are rounded, and will be inflated based on short, medium, or long-range project implementation.

^c ACOG recommends inflating the 2010 Interstate, Turnpikes & Freeways Unit Cost figure

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B. RURAL AREA						
1. NEW CONSTRUCTION						
Construction on New Alignment ^c	\$ 5,053,200	\$ 2,810,000	\$ 5,450,100	\$ 803,900	\$ 771,217	\$ 867,000
2. WIDENING						
Reconstruction - Widening with Access Roads	\$ 983,100	\$ 1,230,000	\$ 1,114,300	\$ 551,300	\$ 605,415	\$ 594,600
3. MAINTENANCE						
Mill and Overlay with necessary Base Repair	\$ 174,600	\$ 282,539	\$ 256,000	\$ 137,800	\$ 217,338	\$ 196,900
4. OTHERS						
Bridges (if constructed separately) - per square foot	\$ 150	\$ 240	\$ 220	\$ 150	\$ 240	\$ 220
Right-of Way - per acre	\$ 55,000	\$ 65,479	\$ 59,300	\$ 60,600	\$ 72,146	\$ 65,400

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C. MULTIMODAL IMPROVEMENTS						
Sidewalk (5-6 ft width) - per linear foot	N/A	N/A	N/A	\$ 60	\$ 71	\$ 65
Multi-purpose Trail (10 ft width) - per linear foot	N/A	N/A	N/A	\$ 130	\$ 155	\$ 140
Bike Lanes (both sides of street) - per linear foot ^d	N/A	N/A	N/A	N/A	N/A	\$ 163
Bike Route - per linear foot ^d	N/A	N/A	N/A	N/A	N/A	\$ 1

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ESTIMATED COSTS

Urban and rural public transportation costs

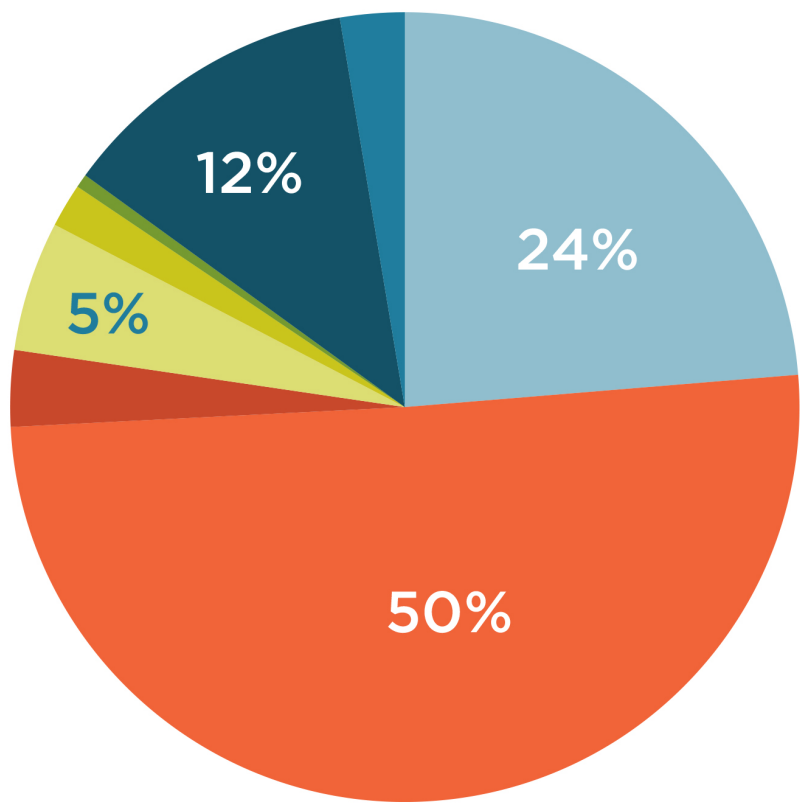
- COTPA, City of Norman transit system, Citylink (Edmond), First Capital Trolley (Guthrie), Delta Public Transit (southern part of the OCARTS area)

Must reflect year-of-expenditure (YOE) dollars

- Inflation of 2 percent per year for the life of the plan
- Three inflation bands:
 - Short-range – 2015-2025
 - Medium-range – 2026-2035
 - Long-range – 2036-2045

Used to develop costs for each model alternate (set of projects)

TOTAL COSTS FOR ENCOMPASS 2040 (previous plan)



Construction	2,448,085,915	23.69%
Maintenance	5,217,983,029	50.5%
ROW	322,328,192	3.12%
Interchanges	549,938,371	5.32%
Bridges	184,760,000	1.79%
Other	57,600,000	0.56%
Transit	1,278,549,300	12.37%
Bike/Ped	272,513,112	2.64%
TOTAL	10,331,757,919	100%

PROJECTED REVENUES

- Federal, state, and local sources
- All modes that move people and goods
- Historically available to, or spent within, the OCARTS area
- First 5 years of plan period (FFY 2015–FFY 2019) serves as historical basis to develop annual average
- Estimated federal revenues includes federal discretionary funds tied to specific projects
- Local revenues estimated based on survey of local governments
- *Encompass 2045 anticipated revenues still in development*

EXAMPLE OF REVENUE SOURCES

(from Encompass 2040)

STATE REVENUE SOURCES

STREETS AND HIGHWAYS

- State Highway Maintenance Funds
- State Bridge and Road Funds: Asset Preservation
- State Railroad Revolving Fund
- County Road and Bridge Funds
- Industrial Access Program
- Lake Access Program
- State Taxes & Fees Distributed to Counties for Roads
- State Taxes & Fees Distributed to Cities and Towns
- Oklahoma Turnpike Authority (OTA)

TRANSIT

- Public Transit Revolving Fund

LOCAL REVENUE SOURCES

DEDICATED TO ARTERIAL STREET, BICYCLE AND PEDESTRIAN IMPROVEMENTS:

- General Fund
- General Obligation Bonds
- Earmarked Sales Tax
- Street and Alley Fund
- Contributions by Developers

TRANSIT

- Municipal and County funds: Budgeted for transit
- University funds: Budgeted for transit
- Farebox: Advertising and other revenues
- General Obligation Bonds
- MAPS 3 Sales Tax: Budgeted for Streetcar and Intermodal Hub
- Project 180 Budgeted for Intermodal Hub

REVENUES AND COSTS FOR ENCOMPASS 2040

Mode	Estimated Percent Revenue	Projected Revenues	Estimated Plan Costs	Difference
Streets and Highways	85.1%	\$ 8,869,545,000	\$ 8,780,695,507	\$ 88,849,493
Transit (Urban & Rural)	12.3%	\$ 1,278,549,300	\$ 1,278,549,300	\$ 0
Bicycle and Pedestrian	2.6%	\$ 1,278,549,300	\$ 272,513,112	\$ 2,707,588
Total	100.0%	\$ 10,423,315,000	\$ 10,331,757,919	\$ 91,557,081

NEXT STEPS

- Finish anticipated revenues
- Present proposed unit costs and revenues to committees (tentatively in June)
- Develop alternate networks costs
- Benefit-Cost Analysis of alternate networks
- Final Encompass 2045 Financial Plan

QUESTIONS?

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ASSOCIATION OF
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