

Building Tennessee's Tomorrow: Anticipating the State's Infrastructure Needs

July 2018 through June 2023

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Cliff Lippard, Executive Director

January 17, 2020

The Honorable Randy McNally
Lt. Governor and Speaker of the Senate

The Honorable Cameron Sexton
Speaker of the House of Representatives

Members of the General Assembly

State Capitol
Nashville, TN 37243

Ladies and Gentlemen:

Transmitted herewith is the eighteenth in a series of reports on Tennessee's infrastructure needs by the Tennessee Advisory Commission on Intergovernmental Relations pursuant to Public Chapter 817, Acts of 1996. That act requires the Commission to compile and maintain an inventory of infrastructure needed in Tennessee and present these needs and associated costs to the General Assembly during its regular legislative session. The inventory, by law, is designed to support the development by state and local officials of goals, strategies, and programs to

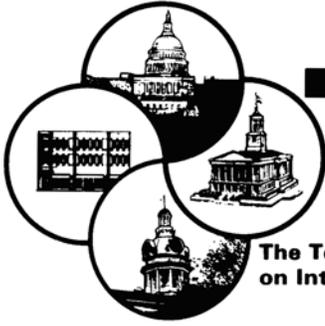
- improve the quality of life of all Tennesseans,
- support livable communities, and
- enhance and encourage the overall economic development of the state through the provision of adequate and essential public infrastructure.

This year's report includes one-page summaries for each county-area that lists the estimated cost for all types of infrastructure by stage of development. The summaries also highlight the top three types of infrastructure improvements needed in each county based on total estimated cost and provide comparisons of the infrastructure needed at public school systems to student enrollment.

Respectfully yours,


Representative Mike Carter
Chairman


Cliff Lippard
Executive Director



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MEMORANDUM

TO: Commission Members

FROM: Cliff Lippard *Cliff*
Executive Director

DATE: 17 January 2020

SUBJECT: Annual Report on Tennessee's Public Infrastructure Needs—Final Report
for Approval

The Tennessee General Assembly charged the Commission in 1996 with developing and maintaining an inventory of public infrastructure needs “in order for the state, municipal and county governments of Tennessee to develop goals, strategies, and programs which would

- improve the quality of life of its citizens,
- support livable communities, and
- enhance and encourage the overall economic development of the state.”

Each year since this mandate was created, the Commission staff has worked with the state's nine development districts to gather information from state and local officials for an inventory of Tennessee's public infrastructure needs. The information provided is analyzed, and an annual report is prepared for the General Assembly.

The current report is submitted for Commission approval. It is the eighteenth in the series and presents \$54.8 billion of needed infrastructure improvements reported in the inventory by state and local officials. This most recent inventory includes projects that need to be in some stage of development during the five-year period July 2018 through June 2023.

The report includes a single statewide overview chapter that provides information by type of infrastructure, the condition and needs of our public school facilities, the availability of funding to meet reported needs, and a comparison of county-area needs.

One-page summaries for each county area are also included that list the estimated cost for all types of infrastructure by stage of development. The summaries also highlight the top three types of infrastructure improvements needed in each county based on total estimated cost and provide comparisons of the infrastructure needed at public school systems to student enrollment. Further detailed county-area information about each type of infrastructure in the inventory, along with relevant legislation, inventory forms, and glossary of terms, can be found in the appendixes to the report.

Building Tennessee’s Tomorrow: Anticipating the State’s Infrastructure Needs

July 2018 through June 2023

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INTRODUCTION

One of the greatest fiscal challenges facing our elected officials is dealing with aging infrastructure. As the population grows and shifts, new classrooms must be built and equipped to meet our children's needs. As roads and bridges wear out, they must be repaired or replaced to ensure our safety. And, as outdated water lines begin to crack and fail, they must be upgraded to carry clean drinking water safely and efficiently. These examples are just a few of the demands confronting government officials as they struggle with the daunting task of matching limited funds to seemingly unlimited needs.

Why do we rely on the public sector for roads, bridges, water lines, and schoolhouses? Certain goods and services—such as clean drinking water, and roads to access employment, education, and commerce—must be provided in the interest of general health and safety. Public infrastructure is the answer when the service supported is essential to the common good and the private sector cannot profitably provide it at a price that makes it accessible to all. Therefore, we look to those who represent us in our public institutions to set priorities and find ways to fund them.

Why inventory public infrastructure needs?

In 1996, the Tennessee General Assembly enacted legislation that affirmed the value of public infrastructure. An inventory of necessary infrastructure was laid out “in order for the state, municipal, and county governments of Tennessee to develop goals, strategies, and programs which would

- improve the quality of life of its citizens,
- support livable communities, and
- enhance and encourage the overall economic development of the state

through the provision of adequate and essential public infrastructure.”¹ The “Public Infrastructure Needs Inventory” on which this report is based was derived from surveys of local officials by staff of the state’s

“States say their budgets are balanced, but too frequently, they fail to account for the immense cost of infrastructure maintenance that has been deferred. You cannot make a truly balanced budget if you do not know what your costs are. Taxpayers deserve to know how much it will cost to repair our deteriorating infrastructure.”

William Glasgall, The Volcker Alliance, *Volcker Alliance Reveals Alarming Hidden Costs of States' Deferred Infrastructure Maintenance*. November 20, 2019.

¹ Public Chapter 817, Acts of 1996. For more information about the enabling legislation, see appendix A.

nine development districts;² the capital budget requests submitted to the Governor by state officials as part of the annual budget process; needed capital projects from the Tennessee Board of Regents (TBR); and bridge and road needs from project listings provided by state transportation officials. The Commission relies entirely on state and local officials to evaluate the infrastructure needs of Tennessee's citizens as envisioned by the enabling legislation.

What infrastructure is included in the inventory?

For the purposes of this report, and based on the direction provided in the public act and common usage, public infrastructure is defined as capital facilities and land assets under public ownership or operated or maintained for public benefit. To be included in the inventory, infrastructure projects must not be considered normal or routine maintenance and must involve a capital cost of at least \$50,000.³

Local officials were asked to describe anticipated needs for the period of July 1, 2018, through June 30, 2038, classifying those needs by type of project. State-level needs were derived from capital budget requests. Both state and local officials were also asked to identify the stage of development—conceptual, planning and design, or under construction—as of July 1, 2018. Because of legislation requiring the inventory's use by the Commission to monitor implementation of Tennessee's Growth Policy Act, in 2000, the period covered by each inventory was expanded to 20 years.⁴ Plans developed pursuant to that act established growth boundaries for annexation by the state's municipalities. This report focuses on the first five years of the period covered by the inventory and the following types of public infrastructure (see the glossary for definitions of project types):

- Transportation and Utilities
 - Transportation
 - Other Utilities
 - Broadband
- Education
 - Post-secondary Education
 - School Renovations
 - New Public Schools and Additions
 - Other Education
 - School System-wide

² For more information on the importance of the inventory to the development districts and local officials, see appendix B.

³ School technology infrastructure is included for existing schools regardless of cost in order to provide information related to the technology component of the state's education funding formula.

⁴ Public Chapter 672, Acts of 2000.

- Health, Safety, and Welfare
 - Water and Wastewater
 - Law Enforcement
 - Public Health Facilities
 - Housing
 - Fire Protection
 - Storm Water
 - Solid Waste
- Recreation and Culture
 - Recreation
 - Libraries, Museums, and Historic Sites
 - Community Development
- General Government
 - Public Buildings
 - Other Facilities
- Economic Development
 - Industrial Sites and Parks
 - Business District Development

Within these parameters, local officials are asked to report their needs as they relate to developing goals, strategies, and programs to improve their communities. They are limited by only the very broad purposes for public infrastructure as prescribed by law. No independent assessment of need constrains their reporting. In addition, the inventory includes bridge and road needs from project listings provided by the Tennessee Department of Transportation (TDOT), capital projects from TBR, and capital needs identified by state officials and submitted to the governor as part of the annual budget process.

How is the inventory accomplished?

The Public Infrastructure Needs Inventory is developed using two separate, but related, inventory forms⁵ to gather information from local officials about necessary infrastructure improvements. The Existing School Facility Needs Inventory Form is used to gather information about the condition of existing public school buildings, as well as the cost to meet all facilities mandates at the schools, put them in good condition, and provide adequate technology infrastructure. The General Public Infrastructure Needs Inventory Form is used to gather information about all other types of infrastructure including the need for new

⁵ Both forms are included in appendix C.

“Infrastructure encompasses a broad range of systems and facilities designed, constructed, operated, and governed across the public and private sectors. These physical assets support a variety of economic activities, and provide a host of other services with a clear public benefit over many years.”

Adie Tomer, Joseph W. Kane, and Lara Fishbane, The Brookings Institution, *To Fix our Infrastructure, Washington needs to Start from Scratch*. December 4, 2019.

"More than two dozen bridges dot Bradley County's landscape and the maintenance of those bridges falls to either the Bradley County Road Department or the Tennessee Department of Transportation."

Autumn Hughes, The Cleveland Daily Banner, Infrastructure: Bridges, November 16, 2019.

public school buildings and for school system-wide infrastructure improvements not gathered on the school inventory form. TACIR staff provide local officials with supplemental information from the state highway department about transportation needs, many of which originate from local officials. This information helps ensure that all known needs are captured in the inventory.

In addition to gathering information from local officials, TACIR staff incorporates capital improvement requests submitted by state officials to the Governor's Budget Office, bridge and road needs from project listings provided by TDOT, and needed capital projects from TBR. While TACIR staff spends considerable time reviewing all the information in the inventory to ensure accuracy and consistency, the information reported in the inventory is based on the judgment of state and local officials. In many cases, information about local needs is limited to those included in the capital improvements programs of local governments, which means the inventory may not fully capture all local needs.

As discussed above, projects included in the report are only those in the conceptual, planning and design, or construction stage at some point during the five-year period of July 2018 through June 2023. Estimated costs for the projects may include amounts spent before July 2018 for projects started before the five-year period, or amounts after June 2023 for projects that won't be completed during the five-year period. All of those projects are initially recorded as conceptual, because capital budget requests generally serve as the source of information from state agencies (TDOT and TBR, excepted).

In the context of the Public Infrastructure Needs Inventory, the term "mandate" is defined as *any rule, regulation, or law originating from the federal or state government that affects the cost of a project.*⁶ The mandates most commonly reported are the Americans with Disabilities Act (ADA), asbestos, lead, underground storage tanks, and the Education Improvement Act (EIA). The EIA mandate was to reduce the number of students in each K-12 public school classroom by fall 2001. Tennessee public schools began working toward that goal after the passage of the EIA in 1992 and met it by adding classroom space and hiring a sufficient number of teachers.⁷ However, some schools continue to use portable classrooms because they still do not have sufficient traditional classroom space to accommodate both teachers and students.

Except in the case of existing public schools, the inventory does not include estimates of the cost to comply with mandates. Even in the case of public schools, with the exception of the EIA, the cost reported to the Commission as part of the Public Infrastructure Needs Inventory is relatively small—

⁶ See the Glossary of Terms at the end of the report.

⁷ Tennessee Comptroller of the Treasury 2004. "The Education Improvement Act: A Progress Report." <http://comptroller.tn.gov/repository/RE/educimproveact.pdf>.

accounting for less than 1% of the total reported Public School Infrastructure Needs. See appendix E-9.

How is the inventory used?

The Public Infrastructure Needs Inventory is both a product and a continuous process, one that has been useful in

- short-term and long-range planning,
- providing a framework for funding decisions,
- increasing public awareness of infrastructure needs, and
- fostering better communication and collaboration among agencies and decision makers.

The inventory promotes planning and setting priorities.

The Public Infrastructure Needs Inventory has become a tool for setting priorities and making informed decisions by all stakeholders. Many decision makers have noted that in a time of tight budgets and crisis-based, reactive decisions, the annual inventory process offers the one opportunity they have to set funding issues aside for a moment and think proactively and broadly about real infrastructure needs. For most officials in rural areas and in smaller cities, the inventory is the closest thing they have to a Capital Improvements Program (CIP). Without the inventory, they would have little opportunity or incentive to consider their infrastructure needs. Because the inventory is not limited to needs that can be funded in the short term, it may be the only formal opportunity officials have to consider the long-range benefits of infrastructure.

The inventory helps match critical needs to limited funding opportunities.

In the absence of a formal CIP, the Public Infrastructure Needs Inventory provides basic information to state and local officials to match needs with funding. At the same time, the inventory provides information needed by the development districts to update their respective *Comprehensive Economic Development Strategy Reports required annually by the US Economic Development Administration*.⁸ Unless a project is listed in that document, it will not be considered for funding by that agency. Information from the inventory has been used to develop lists of projects suitable for other types of state and federal grants as well. For example, many projects that have received Community Development Block Grants were originally discovered in discussions of infrastructure needs with local government officials. The inventory has also helped state decision makers identify gaps between critical needs and available state, local, and federal funding,

⁸ US Economic Development Administration. "CEDS Content Guidelines." <https://www.eda.gov/ceds/>.

"Overall, infrastructure spending has fallen, according to the Congressional Budget Office, but the need is greater than ever."

Tony Munoz, The Maritime Executive, *Can the U.S. Fix Its Failing Infrastructure?* October 23, 2019.

including an assessment of whether various communities can afford to meet their infrastructure needs, or whether some additional planning needs to be done at the state level.

The inventory provides an annual review of conditions and needs of public school facilities.

Local officials are asked to report the condition of all schools, not just those in need of repair or replacement, on the Existing School Facility Needs Inventory Form. Data can be retrieved from the database and analyzed to identify particular needs, such as technology. This information is useful in pinpointing pressing needs for particular schools and school systems, as well as providing an overview of patterns and trends across the state. This unique statewide database provides information about the condition and needs of Tennessee's public school facilities.

The inventory increases public awareness, communication, and collaboration among decision makers.

As a result of the inventory, the state's infrastructure needs have been reported to a broader public audience, and the process has fostered better communication between the development districts, local and state officials, and decision makers. The resulting report has become a working document used at the local, regional, and state, levels. It gives voice to small towns and rural communities with limited planning resources. Each update of the report provides an opportunity for re-evaluation and re-examination of projects and for improvements in the quality of the inventory and the report itself. This report is unique regarding its broad scope and comprehensive nature. Through the inventory process, development districts have expanded their contact, communication, and collaboration with agencies not traditionally sought after (e.g., local boards of education, utility districts, and TDOT) and strengthened personal relationships and trust among their more traditional local and state contacts. Infrastructure needs are being identified, assessed, and addressed locally, and documented for the Tennessee General Assembly, various state agencies, and decision makers for further assessment and consideration.

What improvements have been made to the inventory?

As each inventory cycle comes to a close, TACIR staff review the collection and analysis process to identify ways to improve efficiency and accuracy. Staff members continually work to improve methods for project tracking and quality control by improving and enhancing the online inventory application. Geographic coordinates are now required for every project in the inventory so staff and public officials can better analyze infrastructure needs using Geographic Information System (GIS) analysis. This information may be used by TACIR staff in the future to provide more detailed information to officials and the public. Staff members also continue to analyze the relationship between school-level enrollment and the need

for improvements at individual schools, augmenting analyses using system-level enrollment. And staff members routinely evaluate methods to improve how the information collected in the surveys is shared with state and local officials and communicated to the general public.

What else needs to be done?

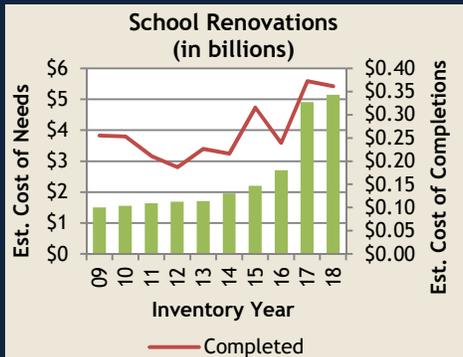
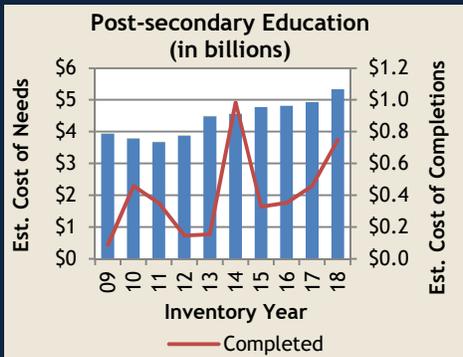
The data collection process continues to improve, and the current inventory is more complete and accurate than ever. The Commission has tried to strike a balance between requiring sufficient information to satisfy the intent of the law and creating a burden on local officials reporting their needs. By law, the inventory is required of the Commission, but it is not required of state or local officials; they may decline to participate without penalty. Similarly, they may provide only partial information. This can make comparisons across jurisdictions and across time difficult. But with each annual inventory, participants have become more familiar with the process and more supportive of the program. Improvements in the technological infrastructure of the inventory itself have set the stage for future efforts to make the inventory more accessible and useful to state and local policymakers and researchers.

State Total

Total Estimated Cost* for Infrastructure Improvements

\$54,767,947,641

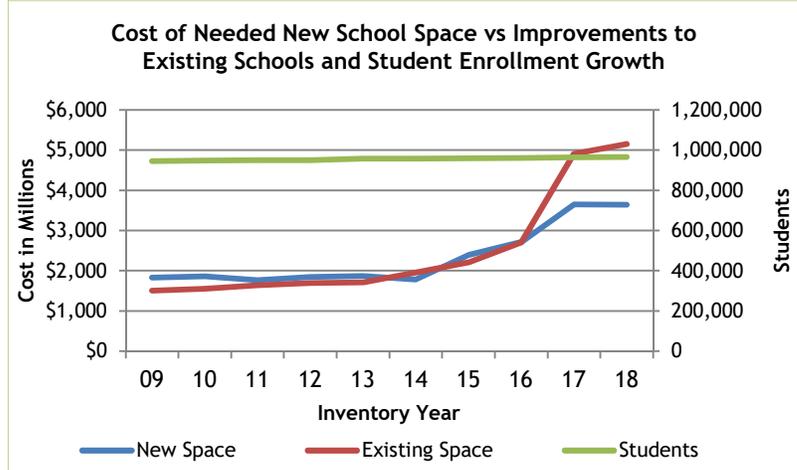
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for State Total Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 8,291,516,192	\$ 20,688,090,541
Post-secondary Education	\$ 2,005,778,000	\$ 3,324,557,200
School Renovations	\$ 4,291,885,315	\$ 859,509,913
Water and Wastewater	\$ 1,000,810,565	\$ 3,689,361,716
New Public Schools & Additions	\$ 2,205,770,902	\$ 1,434,871,274
Law Enforcement	\$ 758,515,800	\$ 768,124,276
Recreation	\$ 541,289,401	\$ 901,586,013
Public Buildings	\$ 356,230,000	\$ 392,402,621
Other Utilities	\$ 143,495,000	\$ 478,128,794
Public Health Facilities	\$ 474,516,000	\$ 139,367,943
Libraries, Museums, & Historic Sites	\$ 115,731,170	\$ 363,238,481
Housing	\$ 204,849,000	\$ 193,466,000
Fire Protection	\$ 179,923,081	\$ 80,311,658
Community Development	\$ 83,524,780	\$ 126,608,754
Industrial Sites and Parks	\$ 47,924,900	\$ 147,755,157
Other Facilities	\$ 58,380,000	\$ 86,648,652
Business District Development	\$ 33,250,000	\$ 71,191,503
Storm Water	\$ 62,269,000	\$ 14,861,335
Other Education	\$ 34,795,000	\$ 33,590,000
School-System-wide	\$ 8,752,000	\$ 28,681,717
Solid Waste	\$ 9,010,000	\$ 22,777,987
Broadband	\$ 6,500,000	\$ 8,100,000
Total	\$20,914,716,106	\$ 33,853,231,535



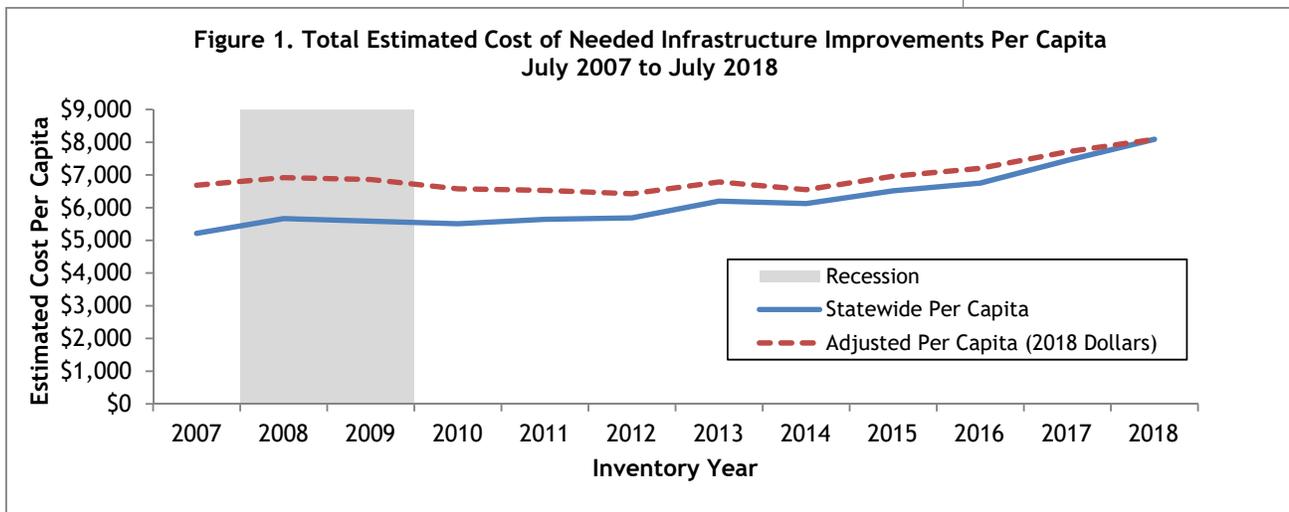
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Building Tennessee’s Tomorrow: Anticipating the State’s Infrastructure Needs

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INFRASTRUCTURE NEEDS OVERVIEW

The estimated cost of all needed public infrastructure improvements in Tennessee increased for the fourth straight year, even when adjusted for inflation⁹ and population (see figure 1). State and local officials report an increase of approximately \$4.8 billion (9.7%) in this year’s inventory (see table 1), which brings the estimated cost of public infrastructure improvements that need to be in some stage of development between July 1, 2018, and June 30, 2023, to \$54.8 billion (see figure 2).¹⁰ Improvements needed for the following categories continue to account for most of the total estimated cost of the inventory: Transportation and Utilities; Education; and Health, Safety, and Welfare. This year, the categories most responsible for the reported increase in total estimated cost are Transportation and Utilities, followed by Education. The percentage of available funding was unchanged from last year—more than two-thirds of the estimated cost of the needed improvements reported in this year’s inventory is not funded.



⁹ Federal Reserve Bank of St. Louis, State and Local Government Consumption Price Index

¹⁰ For complete listings of all needs reported in the July 2018 inventory by county and by public school system, see appendixes D and E.

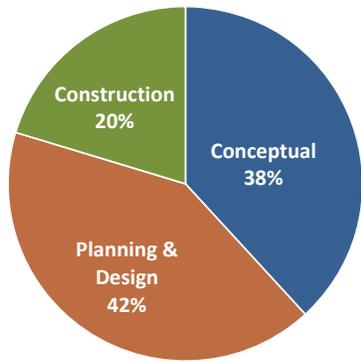
Table 1. Comparison of Estimated Cost of Needed Infrastructure Improvements
July 2017 Inventory vs. July 2018 Inventory

Category and Type of Infrastructure	July 2017 Inventory	July 2018 Inventory	Difference	Percent Change
Transportation and Utilities	\$ 25,915,174,390	\$ 29,615,830,527	\$ 3,700,656,137	14.3%
Transportation	25,410,723,106	28,979,606,733	3,568,883,627	14.0%
Other Utilities	489,058,284	621,623,794	132,565,510	27.1%
Broadband	15,393,000	14,600,000	(793,000)	-5.2%
Education	\$ 13,652,801,064	\$ 14,228,191,321	\$ 575,390,257	4.2%
Post-secondary Education	4,934,939,501	5,330,335,200	395,395,699	8.0%
School Renovations*	4,909,106,948	5,151,395,228	242,288,280	4.9%
New Public Schools and Additions	3,648,486,898	3,640,642,176	(7,844,722)	-0.2%
Other Education**	110,330,000	68,385,000	(41,945,000)	-38.0%
School System-wide	49,937,717	37,433,717	(12,504,000)	-25.0%
Health, Safety, and Welfare	\$ 7,390,466,887	\$ 7,598,164,361	\$ 207,697,474	2.8%
Water and Wastewater	4,587,661,009	4,690,172,281	102,511,272	2.2%
Law Enforcement	1,525,375,931	1,526,640,076	1,264,145	0.1%
Public Health Facilities	466,373,203	613,883,943	147,510,740	31.6%
Housing	403,277,878	398,315,000	(4,962,878)	-1.2%
Fire Protection	201,989,081	260,234,739	58,245,658	28.8%
Storm Water	174,772,485	77,130,335	(97,642,150)	-55.9%
Solid Waste	31,017,300	31,787,987	770,687	2.5%
Recreation and Culture	\$ 1,925,507,053	\$ 2,131,978,599	\$ 206,471,546	10.7%
Recreation	1,321,754,924	1,442,875,414	121,120,490	9.2%
Libraries, Museums, and Historic Sites	450,394,259	478,969,651	28,575,392	6.3%
Community Development	153,357,870	210,133,534	56,775,664	37.0%
General Government	\$ 698,378,773	\$ 893,661,273	\$ 195,282,500	28.0%
Public Buildings	581,455,678	748,632,621	167,176,943	28.8%
Other Facilities	116,923,095	145,028,652	28,105,557	24.0%
Economic Development	\$ 365,432,816	\$ 300,121,560	\$ (65,311,256)	-17.9%
Industrial Sites and Parks	250,534,950	195,680,057	(54,854,893)	-21.9%
Business District Development	114,897,866	104,441,503	(10,456,363)	-9.1%
Grand Total	\$ 49,947,760,983	\$ 54,767,947,641	\$ 4,820,186,658	9.7%

*School Renovations include school technology projects with estimated costs below the \$50,000 threshold used for other types of infrastructure included in the inventory. Individual technology projects under the threshold totaled \$3,919,305 in 2018 and \$4,718,144 in 2017.

**Other Education includes infrastructure improvements reported at state educational institutions not associated with institutes of higher education or at the county, city, or special school systems level. Examples include the Tennessee School for the Deaf and Alvin C. York Institute.

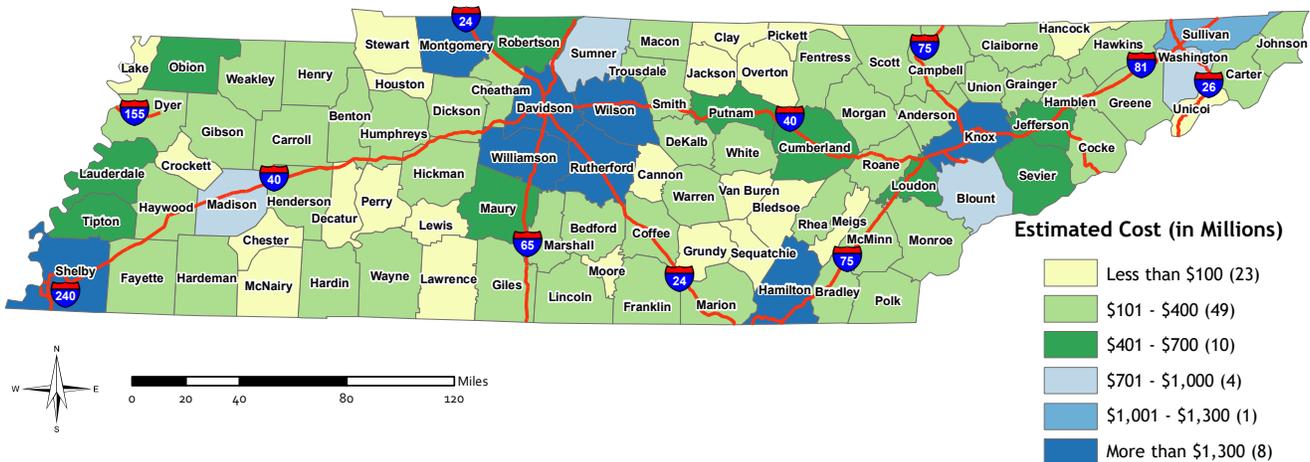
Figure 2. Percent of Total Reported Cost of Infrastructure Improvements by Stage of Development
Five-year Period July 2018 through June 2023



Public infrastructure is needed in every corner of the state, from highly populated counties like Shelby and Davidson, to rural counties like Humphreys and Pickett. In general, it has been the case throughout the history of this inventory that the more people a county has and the more its population grows, the more infrastructure it will need (see map 1). However, relative to their populations, counties with small populations need just as much or more infrastructure than counties with large populations (see map 2). Individual county summaries, starting on page 21, offer a breakdown of infrastructure needs by county.

It should be noted that the remainder of the projects from the Improve Act of 2017, which is raising revenue for transportation infrastructure, are now reflected in the inventory. This year, the Improve Act was responsible for a \$3.3 billion increase in the inventory after causing a \$1.9 billion increase in last year's report.

Map 1. Total Estimated Cost of Infrastructure Improvement Needs
Five-year Period July 2018 through June 2023



Note: County totals include the total estimated cost of both regional and local infrastructure needs, but does not include the \$4,573,974,520 for infrastructure improvements that cross county lines.

**Map 2. Estimated Cost of Total Local Infrastructure Needs Per Capita
Five-year Period July 2018 through June 2023**



In contrast to general fund budgets, capital budgets typically include costly, long-lived assets involving one-time expenses, but the payments may be spread over several years to stabilize the budget.

Jerry Zhirong Zhao, Camila Fonseca-Sarmiento, and Jie Tan, The Volcker Alliance, *America's Trillion-Dollar Repair Bill*. November 20, 2019.

Public infrastructure needed for transportation, utilities, and education accounts for 89% of the increase in this year's inventory.

Of the \$4.8 billion increase in infrastructure needs reported in this year's inventory, almost \$4.3 billion (88.7%) is attributable to increases in the estimated cost for transportation and utilities (76.8%), followed by education (11.9%). Infrastructure needs for transportation and utilities, which increased for the fourth year in a row, increased this year by \$3.7 billion mainly because of new road projects and the remainder of projects developed as part of the Improve Act.

The \$575 million increase in needed improvements for education infrastructure also contributed to the overall increase in the total estimated cost of the inventory. Most of this increase is from the \$395 million increase in needed improvements at institutions of higher education across the state, while the need for renovations to existing public K-12 schools increased \$242 million. The increase in the estimated cost in needed school renovations is mainly from Metro Nashville Public Schools (MNPS), which added over \$220 million. MNPS' increase resulted from the condition of their school buildings, rising construction costs in the Nashville-Metro Area, and a policy change MNPS adopted in the spring of 2016 that included new design guidelines, education specifications, and better estimating practices for school renovations and construction.

Increases in needs reported for other categories in the inventory—Health, Safety and Welfare (\$208 million), Recreation and Culture (\$206 million), and General Government (\$195 million)—are relatively small in comparison. Reported needs decreased in one category: Economic Development (\$65 million). See table 1.

The total estimated cost for needed transportation infrastructure continues to be the largest in the inventory.

Transportation and Utilities is and always has been the largest category, based on total estimated cost, of infrastructure in the inventory and totals \$29.6 billion this year—54.1% of the inventory. Transportation alone, at \$29.0 billion, accounts for nearly all of this category and is larger than all other categories in the inventory—Education at \$14.2 billion (26.0%), Health, Safety, and Welfare at \$7.6 billion (13.9%), Recreation and Culture at \$2.1 billion (3.9%), General Government at \$894 million (1.6%), and Economic Development at \$300 million (0.5%).

Remaining Improve Act projects increased the estimated costs for needed transportation infrastructure.

The net increase in the total estimated cost of transportation needs is \$3.6 billion (14.0%) in this year’s inventory, which includes \$3.7 billion in new projects (Improve Act accounts for \$2.3 billion) and \$2.0 billion in project cost increases (Improve Act accounts for \$1.0 billion). But these increases are partially offset by \$928 million in completed projects (Improve Act accounts for \$9 million), \$397 million in canceled projects (Improve Act accounts for \$22 million), and \$131 million for postponed projects no longer deemed necessary within this report’s five-year window. Moreover, state and local officials reported \$298 million in reduced costs for projects already in the inventory (Improve Act accounts for \$197 million). Projects totaling \$421 million were removed from the inventory because improved methods of project tracking and quality control identified duplicates and invalid information.

In 2017, Governor Bill Haslam signed the Improve Act,¹¹ which is in the middle of a three-year period of raising taxes on gasoline and diesel fuel by 6 cents and 10 cents to help pay for Tennessee’s highly publicized \$10.6 billion transportation backlog. Of the 966 projects totaling \$10.6 billion in the Improve Act, 925 projects totaling \$10.8 billion are now in TACIR’s inventory this year compared to 189 projects totaling \$5.6 billion in last year’s report. See table 2.

Table 2. Estimated Cost of Improve Act Projects by Type of Need
Five-year Period July 2018 through June 2023

Project Type	Number of Matched Projects	Total Estimated Cost	Percent of Total Estimated Cost
Road	242	\$ 9,528,014,332	90.3%
Bridge	665	1,213,824,148	11.5%
ITS*	14	63,780,000	0.6%
Other	4	14,350,000	0.1%
Matched Projects	925	\$ 10,819,968,480	102.5%
Total	966	\$ 10,554,499,096	100.0%

* Intelligent Transportation System

Note: The total estimated cost for matched projects exceeds the original estimated total for the Improve Act projects because some projects have progressed since the adoption of the Act in 2017.

¹¹ Public Chapter 181, Acts of 2017.

The need for other utilities increased, while the need for broadband infrastructure decreased slightly.

Needs reported for other utilities increased by \$133 million (27.1%) in this year's inventory and now total \$622 million. In just the third year of reporting, local officials report the need for \$15 million in broadband infrastructure, a decrease of about \$793,000 from last year. Only the need for broadband development by government entities is allowed in the inventory and very little is expected to be reflected in the inventory because the nature of broadband deployment in rural areas relies less on municipal utility districts, which are sub-entities of municipal governments.

Increases in needed infrastructure improvements on college campuses, K-12 school renovations, and the rising cost of construction materials caused the increase in education needs.

School systems must comply with the Tennessee Constitution's guarantee of the right of access to public education,¹² as well as with the Tennessee Education Improvement Act of 1992,¹³ which places limits on the number of students in classrooms. School systems with growing enrollment face the challenge of providing enough space for students, while other school systems need to renovate or replace their schools because of age, condition, or issues concerning school restructuring or consolidation all while costs increase. Similar issues face Tennessee's public institutions of higher education—dormitories need to be replaced because of their age, and classrooms and labs need to be added or upgraded to meet today's market demands.

In this year's inventory, most of the overall increase in the Education category is attributable to the \$395 million (8.0%) increase in needed improvements on the campuses of Tennessee's public institutions of higher education, which totals \$5.3 billion. The increase was caused by the addition of \$1.6 billion in new projects and \$166 million in cost increases to existing needs. This was partially offset by \$749 million in completions, \$218 million in canceled projects, \$29 million in cost decreases, and \$291 million in postponed projects.

The need to renovate public K-12 schools also drove the overall increase with a \$242 million increase, up 4.9% from last year and now totals \$5.2 billion. This increase in needed improvements to existing space results almost entirely from the \$250 million increase in school renovations—which itself is primarily attributable to a \$220 million increase reported for MNPS discussed above—and the \$5 million increase in needs

¹² Article XI, Section 12, Constitution of the State of Tennessee.

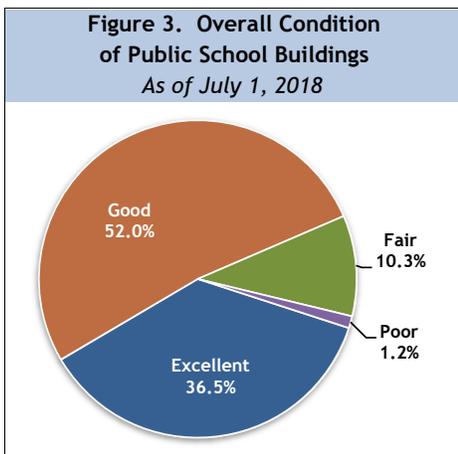
¹³ State of Tennessee Comptroller of the Treasury. 2004. "The Education Improvement Act: A Progress Report." <http://comptroller.tn.gov/repository/RE/educimproveact.pdf>.

related to federal mandates. This is only partially offset by the \$12 million decrease in needs reported for technology infrastructure, which has been steadily decreasing over the years as technology changes from hardwired infrastructure to wireless tablets that are not considered public infrastructure. See table 3.

Table 3. Estimated Cost of School Infrastructure Improvements by Type of Need
July 2017 Inventory vs. July 2018 Inventory

Type of Infrastructure	July 2017 Inventory	July 2018 Inventory	Difference	Percent Change
New School Space	\$ 3,648,486,898	\$ 3,640,642,176	\$ (7,844,722)	-0.2%
New Schools	3,012,145,000	2,975,682,606	(36,462,394)	-1.2%
Additions	636,341,898	664,959,570	28,617,672	4.5%
Improvements to Existing Schools	\$ 4,909,106,948	\$ 5,151,395,228	\$ 242,288,280	4.9%
Renovations	4,692,875,354	4,942,752,629	249,877,275	5.3%
Technology*	124,448,836	112,079,485	(12,369,351)	-9.9%
Mandates	91,782,758	96,563,114	4,780,356	5.2%
System-wide Needs	\$ 49,937,717	\$ 37,433,717	\$ (12,504,000)	-25.0%
Statewide Total	\$ 8,607,531,563	\$ 8,829,471,121	\$ 221,939,558	2.6%

*Technology includes school projects with estimated costs below the \$50,000 threshold used for other types of infrastructure included in the inventory. Individual technology projects under the threshold totaled \$3,919,305 in 2018 and \$4,718,144 in 2017.



Because of the condition of many Tennessee schools, improvements to existing space are necessary. Although just under 11.5% of public schools (198) in Tennessee were rated by their local school officials in fair or poor condition, 182 of those schools need improvements to existing space and account for 48.2% of total estimated existing space needs. See figure 3, table 4, and appendix E.

Table 4. Renovation Costs by School Condition
Five-year Period July 2018 through June 2023

School Condition	Number of Schools	Estimated Cost to Renovate	Average Cost Per School
Good or Excellent	862	\$ 2,556,176,459	\$ 2,965,402
Fair or Poor	182	2,376,867,028	13,059,709
Total	1,044	\$ 4,933,043,487	\$ 4,725,137

Note: Does not include facility upgrades captured in the school system-wide category used for the total renovation cost in Table 3.

The need for new school space decreased in this year’s inventory—\$8 million (0.2%) to a new total of \$3.6 billion. Local officials reported a \$29 million (4.5%) increase in the need for additions to existing schools, and

“Drinking water is delivered via one million miles of pipes across the country. Many of those pipes were laid in the early to the mid-20th century with a lifespan of 75 to 100 years. The quality of drinking water in the United States remains high, but legacy and emerging contaminants continue to require close attention.”

Timothy B. Clark, Route Fifty, Water Infrastructure is in Desperate need of Repair. *When will Federal, State, and Local Officials come up with the Money to Fix it?* December 30, 2019.

a \$36 million (1.2%) decrease in reported needs for new schools, mainly because nine schools worth \$334 million were completed in seven school systems. See table 3.

Another reason for the increase in the cost of needed education infrastructure could be the rising cost of construction materials and labor. The US Bureau of Labor Statistics' new school construction price index rose almost 29 points (21.8%) from July 2010 to July 2018,¹⁴ and RSMMeans data by Gordian, an industry-leading construction cost estimating company, shows growth in square foot costs for schools increasing similarly.¹⁵ In 2010, the average cost of a completed new school was \$18 million in Tennessee. Nine schools, ranging from a new \$100 million high school in Collierville to a \$15 million replacement school for Seymour Intermediate in Sevier County, were completed since last year's report for a total cost of \$334 million, averaging \$37 million per school. Over the next five years, local officials report needing 79 more schools at an average of \$38 million.

The need for public health facilities, upgrades to water and wastewater infrastructure, and new infrastructure to protect us from fires accounts for most of the increase in the Health, Safety, and Welfare category.

Public health facilities range from local emergency medical service or EMS stations to substance abuse centers to state-operated mental health institutions and are vital for our health and well-being. This year's inventory includes a large increase in the estimated cost of public health infrastructure—\$148 million (31.6%) to a new total of \$614 million. Most of this increase was caused by the addition of \$162 million in new projects, mainly \$131 million to replace the Moccasin Bend Mental Health Institute, and \$36 million in cost increases to existing projects. This was partially offset by \$14 million in completions and \$32 million in data corrections.

This year's inventory also includes an increase in the estimated cost for water and wastewater infrastructure—\$103 million (2.2%) to a new total of \$4.7 billion. Most of this increase is attributable to the addition of \$587 million in new projects, one of which is for an \$81 million water treatment plant in Clarksville along with over \$80 million in improvements to existing treatment plants in Knoxville. This increase was partially offset by \$226 million in completed projects, \$158 million in cost decreases to existing projects, \$93 million in cancelations, and \$96 million in postponed projects. The need for fire protection also increased—up \$58 million (28.8%) and now totals \$260 million, mainly because Nashville needs \$28 million for four new fire stations and needs \$10 million to renovate the downtown fire station. The rest of the needs reported are much smaller and scattered across the state.

¹⁴ US Bureau of Labor Statistics. 2018. <https://data.bls.gov/timeseries/PCU23622236222>.

¹⁵ RSMMeans data by Gordian. 2017. “Square Foot Costs With RSMMeans Data.”

The need for projects that support recreation and cultural assets continue to increase.

Among needs reported for recreation and cultural assets, the estimated cost for recreational infrastructure increased for a second year by \$121 million (9.2%) to a total of \$1.4 billion. The estimated cost for libraries, museums, and historic sites increased for a fifth year by \$29 million (6.3%) and now totals \$479 million. The need for infrastructure improvements that support community development flipped from last year’s decrease and now shows an increase of \$57 million (37.0%), totaling \$210 million in this year’s inventory.

The cost for infrastructure needed for other facilities—structures that are publicly owned but not typically open to the public, like maintenance facilities and salt bins—increased \$28 million (24.0%) to a total of \$145 million. After seeing a decrease in last year’s report, the estimated cost of needed infrastructure for public buildings increased \$167 million (28.8%) and now totals \$749 million.

The estimated cost for needed infrastructure at industrial sites and parks decreased \$55 million (21.9%) to a new total of \$196 million, while the estimated cost of infrastructure supporting business districts also decreased \$10 million (9.1%) and now totals \$104 million.

In this year’s inventory, funding is lacking for more than two-thirds of the estimated cost of the needed improvements.

Information about funding for public infrastructure needs reported by officials indicates that 67.0% of the funds required to meet those needs was not available at the time the inventory was conducted, relatively unchanged from last year’s 68.6%. Excluding improvements needed at existing schools and those drawn from capital budget requests submitted by state agencies, neither of which includes funding information, only \$13.6 billion in funding is available for the remaining \$41.1 billion in needs (see table 5). Typically, as a project evolves, funding sources are identified and pursued. Regarding the infrastructure inventory process, planning and design cannot take place without acquiring some funds. Of course, a lack of funding will prevent some projects from ever being completed. In

“Tennessee Governor Bill Lee reviewed budget proposals from Tennessee’s 28 state departments during November 2019. The Governor told agencies to hit pause on requests that include building or expanding infrastructure. But, he told reporters that he believes deferring maintenance is a ‘bad idea’ and expects to see a handful of capital projects in the upcoming 2020-2021 fiscal year budget.”

The Associated Press, *Tennessee Gov to Agencies: Pause Capital Project Requests.* November 4, 2019.

Table 5. Public Infrastructure Needs Summary of Funding Availability*
Five-year Period July 2018 through June 2023

	Funding Available [in billions]	Funding Needed [in billions]	Total Needed [in billions]
Fully Funded Improvements	\$ 12.7	\$ 0.0	\$ 12.7
Partially Funded Improvements	0.9	3.9	4.8
Unfunded Improvements	0.0	23.6	23.6
Total	\$ 13.6	\$ 27.5	\$ 41.1

*Excludes infrastructure improvements for which funding availability is not known.

Note: Totals may not equal 100% because of rounding.

A US Senate committee passed an infrastructure bill last summer, but state officials will have to wait until Congress acts to know what funding will be available for infrastructure needs.

Alan Greenblatt, David Kidd, and Tod Newcombe, *Governing, The Biggest Issues to Watch in 2020*. January 13, 2020.

fact, most of the infrastructure needs reported in the July 2013 inventory, and not already fully funded, were still needed five years later. As in prior years, funding for needs reported in the inventory comes from federal, state, and local sources.

The government that owns infrastructure typically funds the bulk of its cost, and a variety of revenue sources are used. For example, the state collects taxes and appropriates funds to its own projects but also provides grants to local governments through programs in various state agencies. Even so, cities and counties fund most of their infrastructure improvements with their own property and sales tax revenues, while utility districts fund their improvements primarily with dedicated revenue sources in the form of user fees.

Because most of the state's infrastructure needs are not included in this analysis, local government sources—mainly counties and cities—provide the majority of funding for all fully funded needs presented here. Exceptions include transportation, which is funded primarily by the federal and state governments. Industrial sites and parks also receive a substantial portion of funding from the federal and state governments. Broadband, recreation, storm water, housing, and libraries, museums, and historic sites also rely on the federal government for significant portions of their reported funding (see table 6). It may appear that the state does not help pay for school buildings even though it does—although counties report funding 86.2% of new public school construction, the state provides an equivalent amount through its Basic Education Program (BEP) funding formula. The formula includes funds for capital outlay, an amount that topped \$776 million for fiscal year 2018-19.¹⁶ The state's share accounts for half of that amount, but those funds are not earmarked for that specific purpose; therefore, school systems have the flexibility to use those funds to meet various school needs,¹⁷ and some systems use them for operating costs rather than capital outlay.

¹⁶ Tennessee Comptroller of the Treasury, Office of Research and Education Accountability. 2017. BEP Calculator 2018-19.

¹⁷ Tennessee Comptroller of the Treasury. 2017. "Basic Education Program: A Funding Formula, Not A Spending Plan." <http://www.comptroller.tn.gov/orea/Files/FUNDING%20BEP.pdf>.

Table 6. Funding Source by Category and Type of Infrastructure for Fully Funded Improvement Needs [in millions]
Five-year Period July 2018 through June 2023

Category and Project Type	State		Federal		Other		City		County		Special District		Total
	Amount	Percent	Amount	Percent	Amount	Percent	Amount	Percent	Amount	Percent	Amount	Percent	Amount
Transportation and Utilities	\$ 1,140.7	15.2%	\$ 4,378.0	58.2%	\$ 5.8	0.1%	\$ 915.2	12.2%	\$ 1,053.2	14.0%	\$ 23.7	0.3%	\$ 7,516.7
Transportation	1,139.5	16.1%	4,373.0	61.9%	0.8	0.0%	499.2	7.1%	1,052.5	14.9%	0.0	0.0%	7,065.0
Other Utilities	1.3	0.3%	5.0	1.1%	5.0	1.1%	416.0	92.1%	0.7	0.2%	23.7	5.2%	451.7
Broadband	0.0	0.0%	4.0	49.4%	0.0	0.0%	4.1	50.6%	0.0	0.0%	0.0	0.0%	8.1
Health, Safety and Welfare	\$ 29.4	0.8%	\$ 109.0	2.9%	\$ 18.4	0.5%	\$ 1,903.3	50.9%	\$ 1,360.8	36.4%	\$ 316.3	8.5%	\$ 3,737.2
Water and Wastewater	8.0	0.2%	91.1	2.8%	18.4	0.6%	1,732.3	53.4%	1,115.2	34.4%	277.6	8.6%	3,242.6
Law Enforcement	0.0	0.0%	0.0	0.0%	0.0	0.0%	64.1	23.6%	206.1	75.9%	1.5	0.6%	271.7
Housing	19.7	14.1%	14.4	10.3%	0.0	0.0%	60.5	43.3%	8.6	6.2%	36.4	26.1%	139.6
Fire Protection	0.0	0.0%	0.1	0.3%	0.0	0.0%	36.4	86.4%	5.6	13.3%	0.0	0.0%	42.1
Public Health Facilities	1.2	6.0%	0.8	4.1%	0.0	0.0%	0.0	0.0%	17.9	89.9%	0.0	0.0%	19.9
Storm Water	0.0	0.0%	1.8	16.6%	0.0	0.0%	7.9	73.1%	1.1	10.3%	0.0	0.0%	10.7
Solid Waste	0.5	4.9%	0.8	7.4%	0.0	0.0%	2.2	20.9%	6.3	59.9%	0.7	6.9%	10.5
Education	\$ 0.8	0.1%	\$ 0.0	0.0%	\$ 1.0	0.1%	\$ 88.7	13.3%	\$ 578.1	86.5%	\$ 0.0	0.0%	\$ 688.6
New Public Schools	0.0	0.0%	0.0	0.0%	1.0	0.2%	88.7	13.6%	561.9	86.2%	0.0	0.0%	651.6
School System-wide	0.8	4.6%	0.0	0.0%	0.0	0.0%	0.0	0.0%	16.2	95.4%	0.0	0.0%	17.0
Recreation and Culture	\$ 16.3	3.5%	\$ 142.4	30.1%	\$ 17.3	3.7%	\$ 169.3	35.8%	\$ 127.0	26.9%	\$ 0.0	0.0%	\$ 472.4
Recreation	14.9	4.3%	132.4	38.6%	6.1	1.8%	115.4	33.7%	73.7	21.5%	0.0	0.0%	342.5
Libraries, Museums, and Historic Sites	0.6	1.0%	6.6	11.1%	11.2	19.0%	15.4	26.1%	25.1	42.7%	0.0	0.0%	58.8
Community Development	0.8	1.2%	3.5	4.9%	0.0	0.0%	38.6	54.3%	28.1	39.6%	0.0	0.0%	71.0
Economic Development	\$ 27.5	16.7%	\$ 18.3	11.1%	\$ 6.7	4.1%	\$ 71.5	43.5%	\$ 38.5	23.4%	\$ 1.9	1.1%	\$ 164.4
Industrial Sites and Parks	27.4	27.3%	16.2	16.1%	4.0	4.0%	12.4	12.4%	38.5	38.4%	1.9	1.8%	100.4
Business District Development	0.1	0.1%	2.2	3.4%	2.6	4.1%	59.1	92.4%	0.0	0.0%	0.0	0.0%	64.0
General Government	\$ 0.9	1.0%	\$ 0.4	0.4%	\$ 0.0	0.0%	\$ 69.3	78.6%	\$ 17.6	20.0%	\$ 0.0	0.0%	\$ 88.1
Public Buildings	0.9	2.1%	0.4	0.8%	0.0	0.0%	24.9	58.2%	16.6	38.9%	0.0	0.0%	42.8
Other Facilities	0.0	0.0%	0.0	0.0%	0.0	0.0%	44.4	97.9%	1.0	2.1%	0.0	0.0%	45.4
Grand Total	\$ 1,215.7	9.6%	\$ 4,648.0	36.8%	\$ 49.2	0.4%	\$ 3,217.4	25.4%	\$ 3,175.3	25.1%	\$ 341.9	2.7%	\$ 12,647.3

Building Tennessee's Tomorrow: Anticipating the State's Infrastructure Needs

July 2018 through June 2023

COUNTY SUMMARIES

The county summaries highlight the top three types of infrastructure based on total estimated cost needed in the county, broken down by whether it is needed locally or at the regional level. The estimated costs for all types of infrastructure are divided between conceptual projects and those that have moved into the planning and design stage or have started construction. The infrastructure needed at public school systems is also compared to student enrollment.

Anderson County

Total Estimated Cost* for Infrastructure Improvements

\$353,918,983

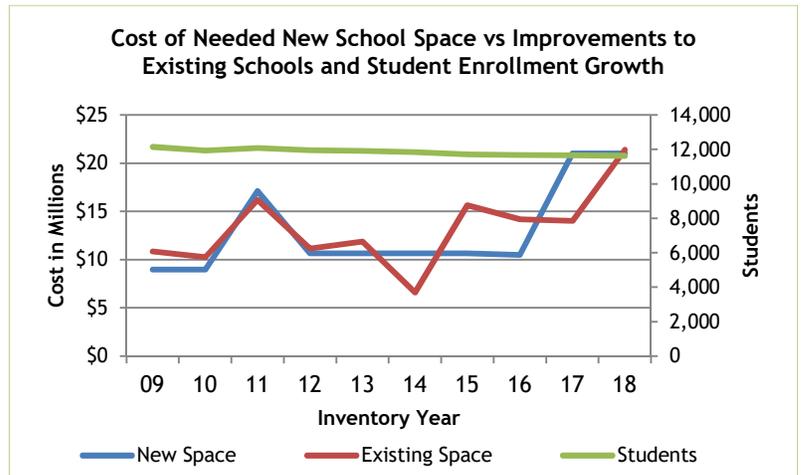
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Anderson County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 50,525,197	\$ 164,365,971
Water and Wastewater	\$ 52,725,000	\$ 14,396,000
School Renovations	\$ 13,123,530	\$ 8,276,284
New Public Schools & Additions	\$ 1,000,000	\$ 20,000,000
Recreation	\$ 7,905,000	\$ 10,830,001
Community Development	\$ 874,000	\$ 2,683,000
Public Health Facilities	\$ -	\$ 2,200,000
Other Facilities	\$ 500,000	\$ 600,000
School-System-wide	\$ 1,000,000	\$ -
Law Enforcement	\$ 800,000	\$ -
Solid Waste	\$ -	\$ 565,000
Other Utilities	\$ 550,000	\$ -
Industrial Sites and Parks	\$ 500,000	\$ -
Fire Protection	\$ 250,000	\$ -
Public Buildings	\$ -	\$ 250,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Housing	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 129,752,727	\$ 224,166,256



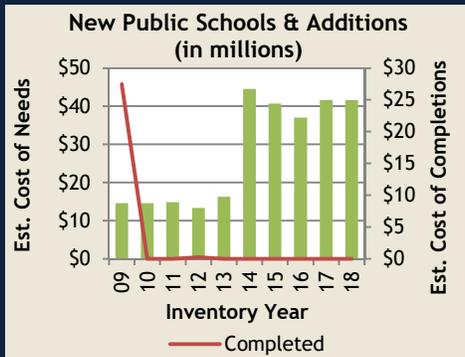
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Bedford County

Total Estimated Cost* for Infrastructure Improvements

\$252,094,970

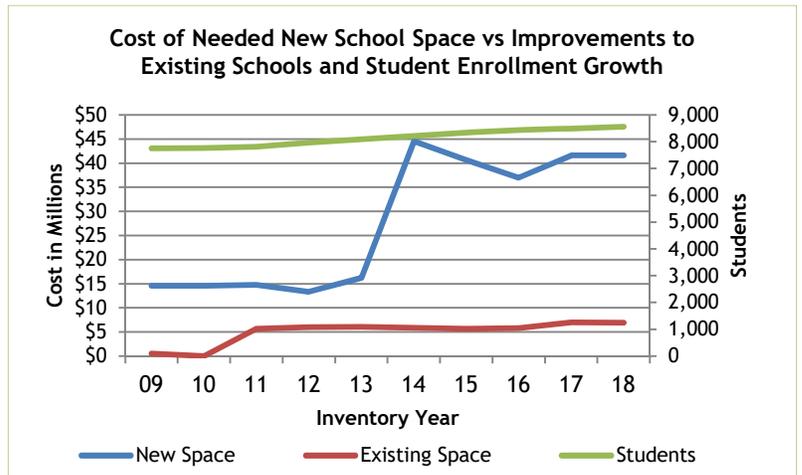
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Bedford County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 39,861,000	\$ 117,981,778
New Public Schools & Additions	\$ 16,197,192	\$ 25,400,000
Water and Wastewater	\$ 21,600,000	\$ 1,400,000
School Renovations	\$ 5,430,000	\$ 1,495,000
Law Enforcement	\$ -	\$ 5,710,000
Public Buildings	\$ -	\$ 5,710,000
Other Facilities	\$ 4,780,000	\$ -
Recreation	\$ 2,540,000	\$ 1,050,000
Other Utilities	\$ 1,500,000	\$ -
Fire Protection	\$ -	\$ 1,200,000
Post-secondary Education	\$ 120,000	\$ 120,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 92,028,192	\$ 160,066,778



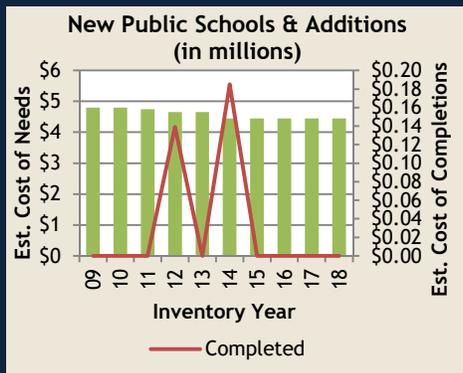
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Benton County

Total Estimated Cost* for Infrastructure Improvements

\$189,143,193

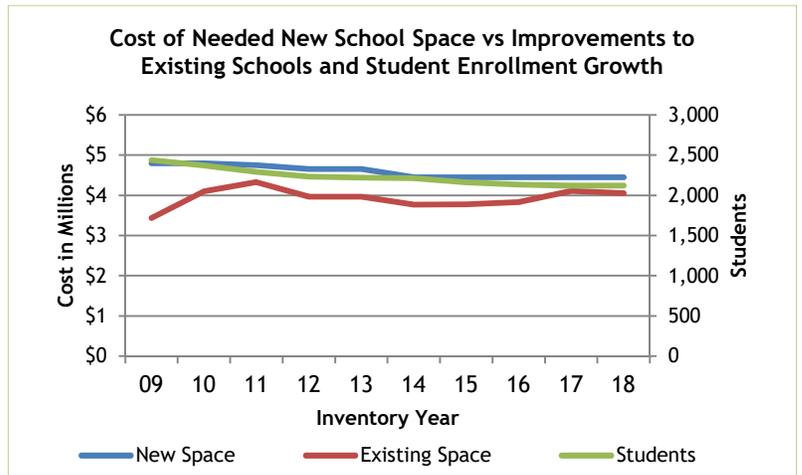
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Benton County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 15,013,000	\$ 154,409,905
Water and Wastewater	\$ 10,000,000	\$ -
New Public Schools & Additions	\$ 4,450,000	\$ -
School Renovations	\$ 3,202,000	\$ 853,288
Recreation	\$ 815,000	\$ -
Public Buildings	\$ 75,000	\$ 325,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 33,555,000	\$ 155,588,193



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Bledsoe County

Total Estimated Cost* for Infrastructure Improvements

\$76,730,657

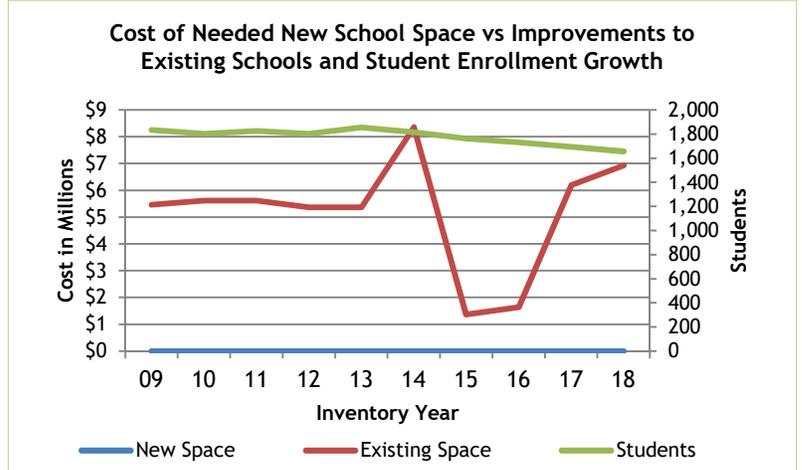
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Bledsoe County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Law Enforcement	\$ 4,750,000	\$ 41,500,000
Transportation	\$ 11,244,000	\$ 1,419,000
Public Health Facilities	\$ -	\$ 9,387,657
School Renovations	\$ 6,235,000	\$ 695,000
Water and Wastewater	\$ -	\$ 1,000,000
Recreation	\$ 500,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 22,729,000	\$ 54,001,657



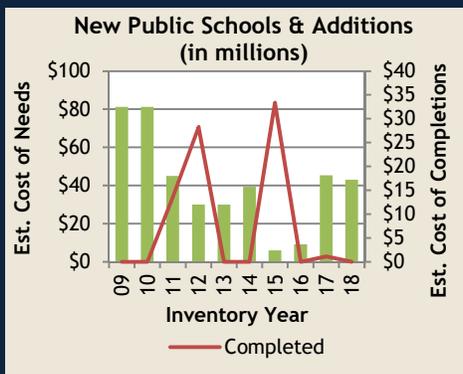
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Blount County

Total Estimated Cost* for Infrastructure Improvements

\$807,685,238

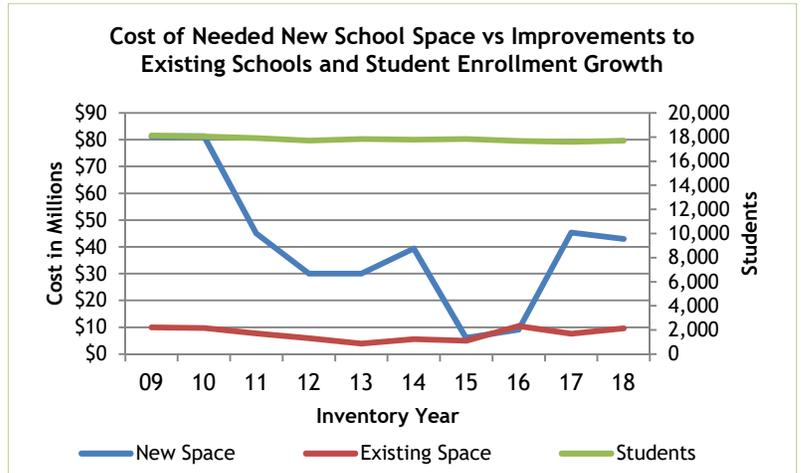
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Blount County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 101,139,780	\$ 571,457,930
New Public Schools & Additions	\$ 29,000,000	\$ 14,000,999
Recreation	\$ 26,075,470	\$ 11,751,088
Water and Wastewater	\$ 19,627,000	\$ 6,651,770
Post-secondary Education	\$ 10,890,000	\$ 1,400,000
School Renovations	\$ 3,065,000	\$ 6,500,993
Fire Protection	\$ 2,546,408	\$ -
Public Buildings	\$ -	\$ 2,400,000
Solid Waste	\$ 600,000	\$ -
Other Facilities	\$ -	\$ 338,800
Law Enforcement	\$ -	\$ 240,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 192,943,658	\$ 614,741,580



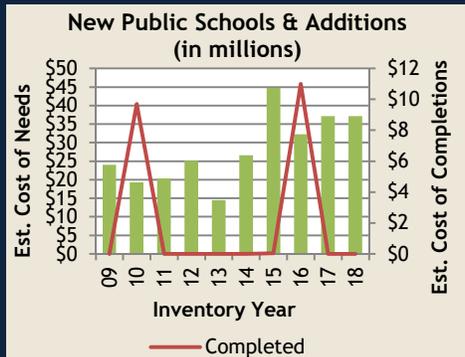
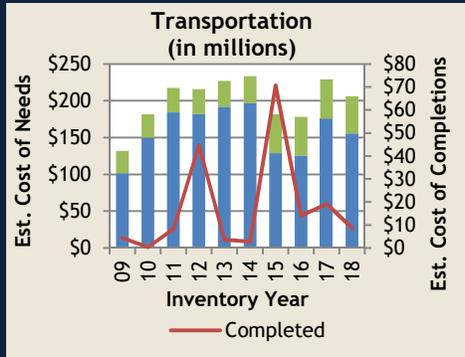
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Bradley County

Total Estimated Cost* for Infrastructure Improvements

\$380,349,775

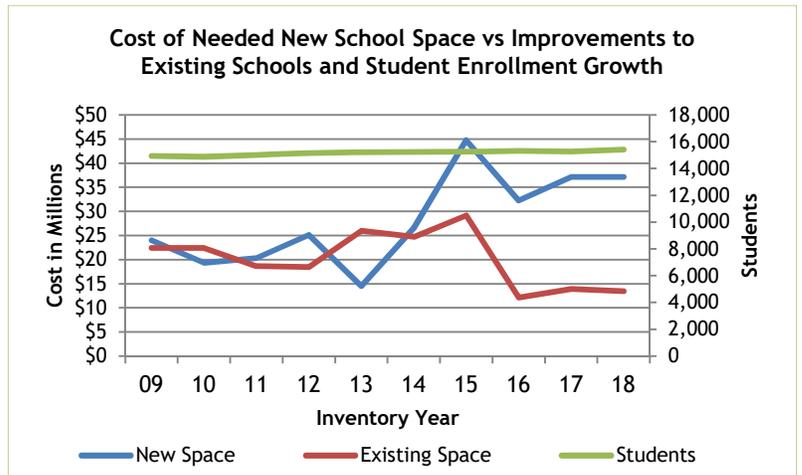
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Bradley County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 67,792,898	\$ 138,357,088
Public Health Facilities	\$ -	\$ 40,500,000
New Public Schools & Additions	\$ 1,875,000	\$ 35,250,680
Post-secondary Education	\$ -	\$ 28,380,000
Water and Wastewater	\$ 4,134,000	\$ 12,096,000
School-System-wide	\$ -	\$ 16,000,000
School Renovations	\$ 5,014,000	\$ 8,420,080
Industrial Sites and Parks	\$ -	\$ 6,000,000
Recreation	\$ 100,000	\$ 3,866,678
Fire Protection	\$ -	\$ 3,111,071
Other Facilities	\$ 3,000,000	\$ -
Community Development	\$ 2,652,280	\$ -
Public Buildings	\$ -	\$ 2,000,000
Libraries, Museums, & Historic Sites	\$ 1,800,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 86,368,178	\$ 293,981,597



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Campbell County

Total Estimated Cost* for Infrastructure Improvements

\$274,009,830

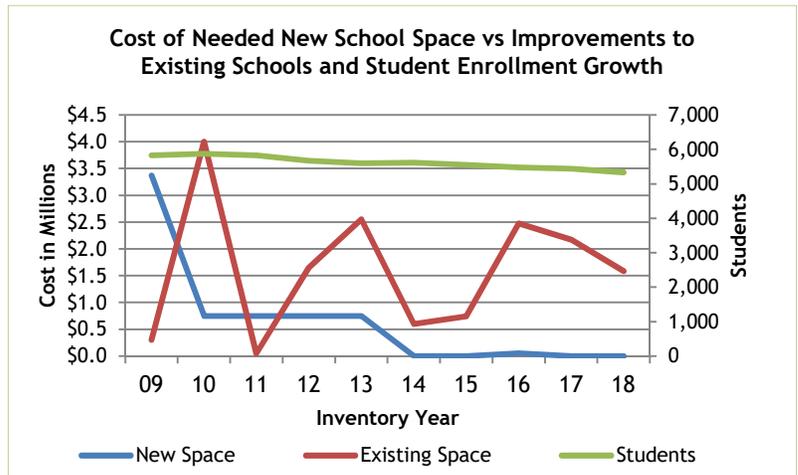
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Campbell County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 48,887,000	\$ 189,465,830
Recreation	\$ 13,810,000	\$ 170,000
Water and Wastewater	\$ 4,625,000	\$ 5,389,000
Community Development	\$ 5,100,000	\$ -
Industrial Sites and Parks	\$ 1,500,000	\$ 680,000
Public Buildings	\$ 2,000,000	\$ -
School Renovations	\$ 193,000	\$ 1,390,000
Fire Protection	\$ 700,000	\$ -
Storm Water	\$ 100,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 76,915,000	\$ 197,094,830



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Cannon County

Total Estimated Cost* for Infrastructure Improvements

\$58,629,380

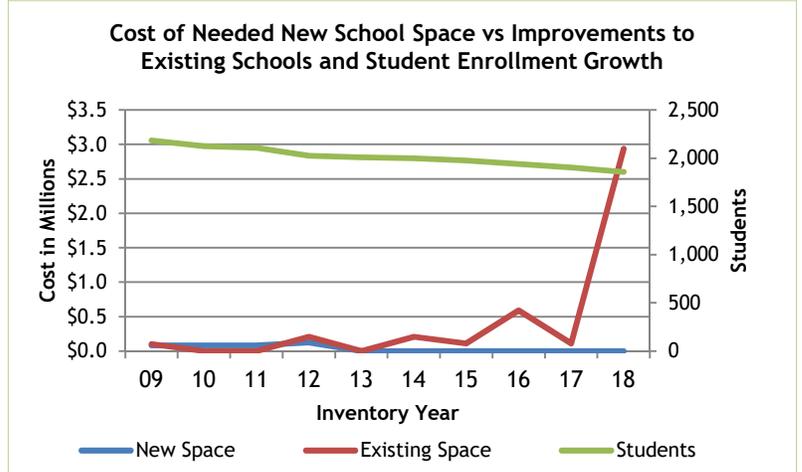
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Cannon County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 23,976,000	\$ 22,902,380
Water and Wastewater	\$ -	\$ 7,800,000
School Renovations	\$ 2,895,000	\$ 43,000
Fire Protection	\$ 500,000	\$ -
Other Facilities	\$ -	\$ 363,000
Solid Waste	\$ -	\$ 150,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
Recreation	\$ -	\$ -
School-System-wide	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 27,371,000	\$ 31,258,380



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Carroll County

Total Estimated Cost* for Infrastructure Improvements

\$139,110,044

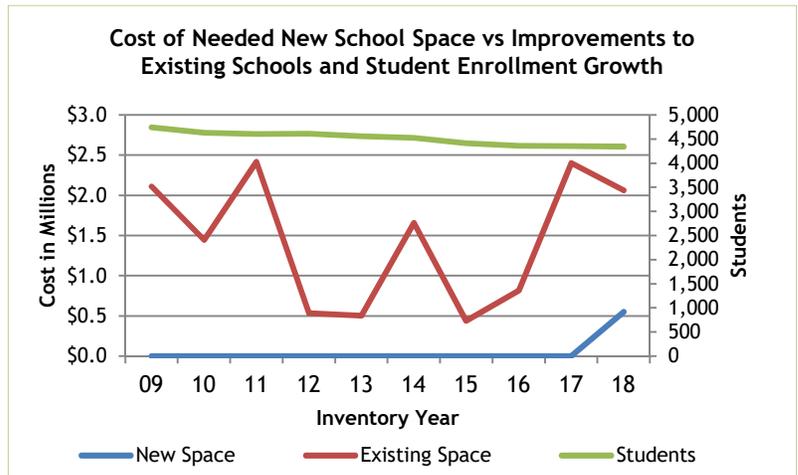
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Carroll County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 41,762,000	\$ 86,930,457
Water and Wastewater	\$ 1,933,000	\$ 919,333
School Renovations	\$ 2,000,000	\$ 60,000
Recreation	\$ 1,225,000	\$ 696,000
Public Buildings	\$ 1,500,000	\$ -
New Public Schools & Additions	\$ -	\$ 551,792
Storm Water	\$ 500,000	\$ -
Fire Protection	\$ 400,000	\$ -
Other Facilities	\$ 375,000	\$ -
Industrial Sites and Parks	\$ -	\$ 257,462
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 49,695,000	\$ 89,415,044



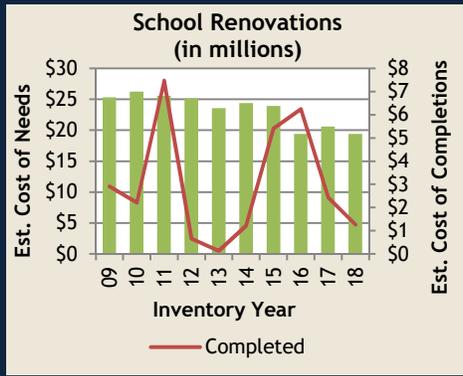
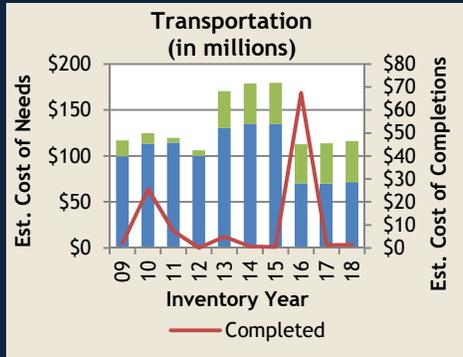
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Carter County

Total Estimated Cost* for Infrastructure Improvements

\$205,696,674

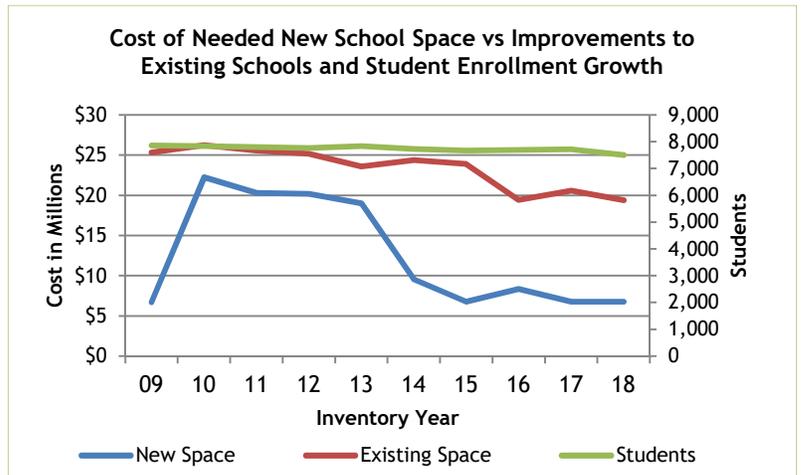
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Carter County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 66,036,000	\$ 50,017,201
Recreation	\$ 4,850,000	\$ 24,950,510
School Renovations	\$ 17,095,650	\$ 2,297,254
Water and Wastewater	\$ 15,200,031	\$ 267,995
New Public Schools & Additions	\$ 6,700,000	\$ 60,000
Housing	\$ 2,200,000	\$ 1,750,000
Law Enforcement	\$ 620,000	\$ 2,700,000
Libraries, Museums, & Historic Sites	\$ 1,600,000	\$ 1,000,000
Fire Protection	\$ 2,507,984	\$ -
Post-secondary Education	\$ 860,000	\$ 1,637,049
Public Health Facilities	\$ -	\$ 1,000,000
Solid Waste	\$ 950,000	\$ -
Industrial Sites and Parks	\$ 697,000	\$ -
Business District Development	\$ -	\$ 500,000
Public Buildings	\$ 200,000	\$ -
Broadband	\$ -	\$ -
Community Development	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 119,516,665	\$ 86,180,009



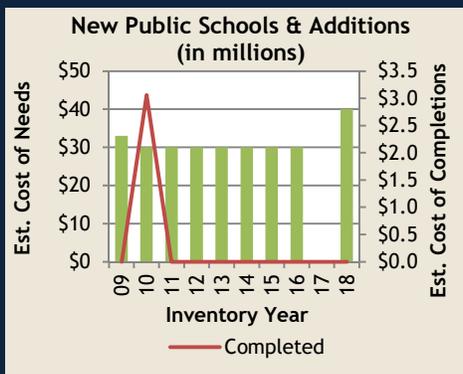
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Cheatham County

Total Estimated Cost* for Infrastructure Improvements

\$269,018,015

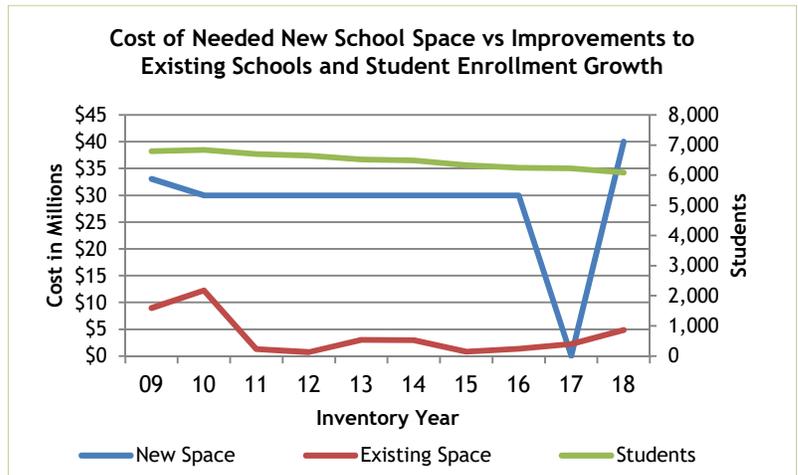
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Cheatham County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 26,917,000	\$ 141,712,579
New Public Schools & Additions	\$ -	\$ 40,000,000
Water and Wastewater	\$ 1,000,000	\$ 14,449,000
Recreation	\$ 9,815,295	\$ 3,157,421
Law Enforcement	\$ -	\$ 12,000,000
Public Buildings	\$ 1,600,000	\$ 5,000,000
School Renovations	\$ 102,000	\$ 4,784,010
Community Development	\$ 3,000,000	\$ -
Industrial Sites and Parks	\$ 2,100,000	\$ -
School-System-wide	\$ -	\$ 1,200,000
Libraries, Museums, & Historic Sites	\$ 1,000,000	\$ -
Business District Development	\$ 500,000	\$ -
Fire Protection	\$ 300,000	\$ 130,710
Storm Water	\$ 200,000	\$ -
Other Facilities	\$ 50,000	\$ -
Broadband	\$ -	\$ -
Housing	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 46,584,295	\$ 222,433,720



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Chester County

Total Estimated Cost* for Infrastructure Improvements

\$68,867,950

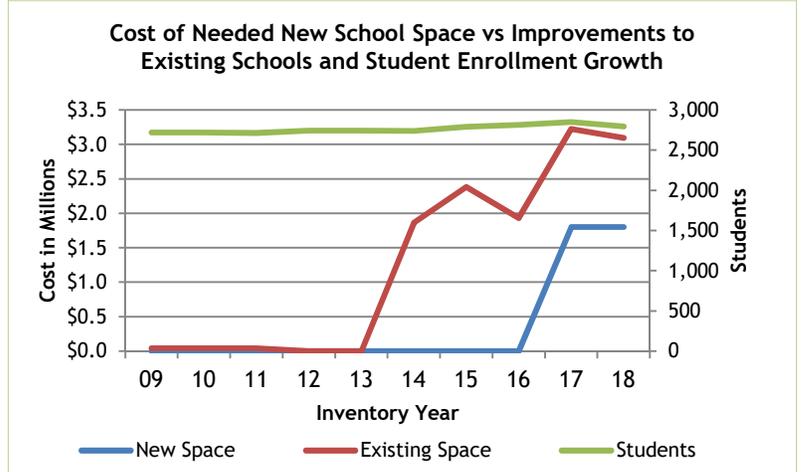
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Chester County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 17,227,000	\$ 30,001,200
Water and Wastewater	\$ 6,900,000	\$ -
Recreation	\$ 1,510,000	\$ 5,295,000
School Renovations	\$ 3,094,750	\$ -
New Public Schools & Additions	\$ -	\$ 1,800,000
Public Buildings	\$ 1,800,000	\$ -
Law Enforcement	\$ 1,240,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 31,771,750	\$ 37,096,200

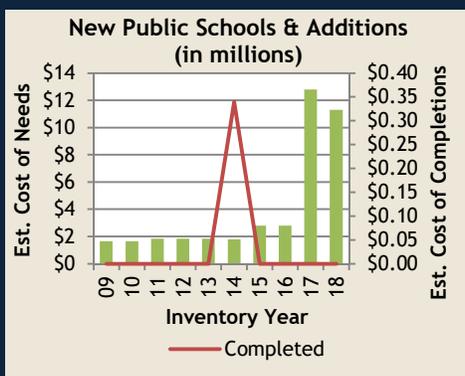


*Total Estimated Cost = Conceptual + Planning & Design + Construction

Claiborne County

Total Estimated Cost* for Infrastructure Improvements
\$105,931,400

TOP 3

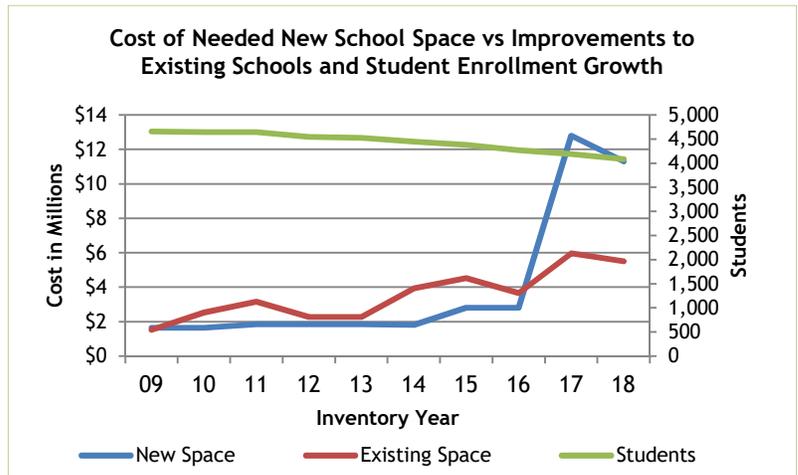


■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Claiborne County

Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 24,558,000	\$ 47,419,799
New Public Schools & Additions	\$ 11,300,000	\$ -
Water and Wastewater	\$ 10,169,720	\$ 1,000,000
School Renovations	\$ 4,809,060	\$ 697,000
Recreation	\$ 500,000	\$ 1,757,821
Law Enforcement	\$ 860,000	\$ 760,000
Fire Protection	\$ 1,000,000	\$ -
Public Buildings	\$ 500,000	\$ -
Business District Development	\$ 400,000	\$ -
Other Facilities	\$ 200,000	\$ -
Broadband	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 54,296,780	\$ 51,634,620

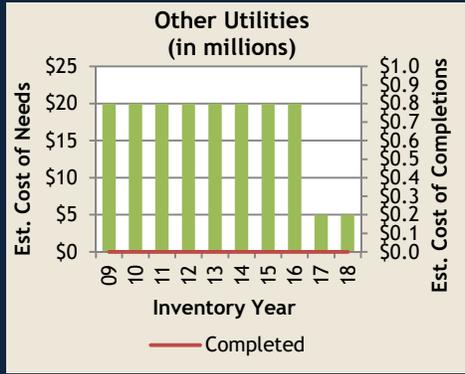
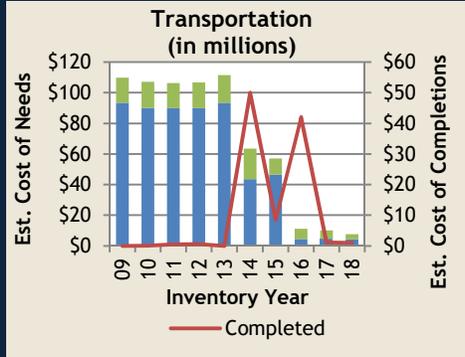


*Total Estimated Cost = Conceptual + Planning & Design + Construction

Clay County

Total Estimated Cost* for Infrastructure Improvements
\$22,862,000

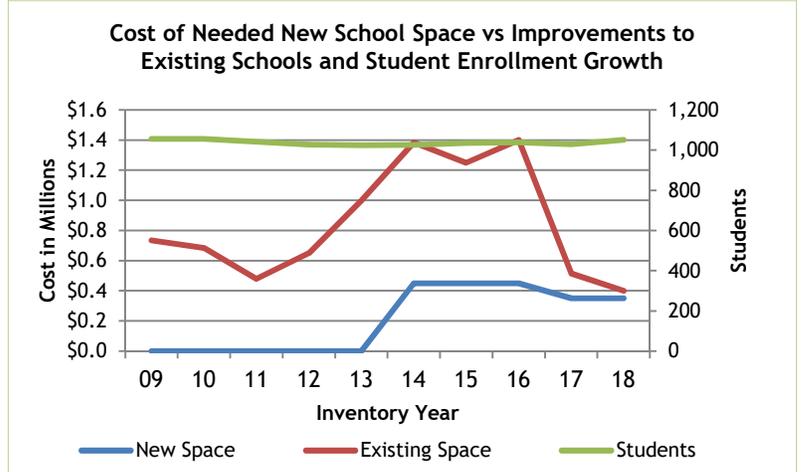
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Clay County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 7,074,000	\$ 488,000
Law Enforcement	\$ -	\$ 5,000,000
Other Utilities	\$ 5,000,000	\$ -
Water and Wastewater	\$ -	\$ 2,350,000
Industrial Sites and Parks	\$ -	\$ 1,700,000
Solid Waste	\$ -	\$ 500,000
School Renovations	\$ 400,000	\$ -
New Public Schools & Additions	\$ 350,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
Recreation	\$ -	\$ -
School-System-wide	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 12,824,000	\$ 10,038,000



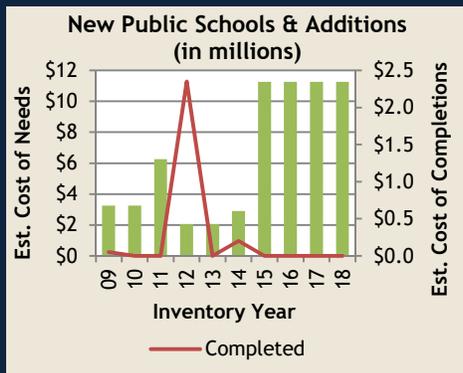
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Cocke County

Total Estimated Cost* for Infrastructure Improvements

\$283,408,392

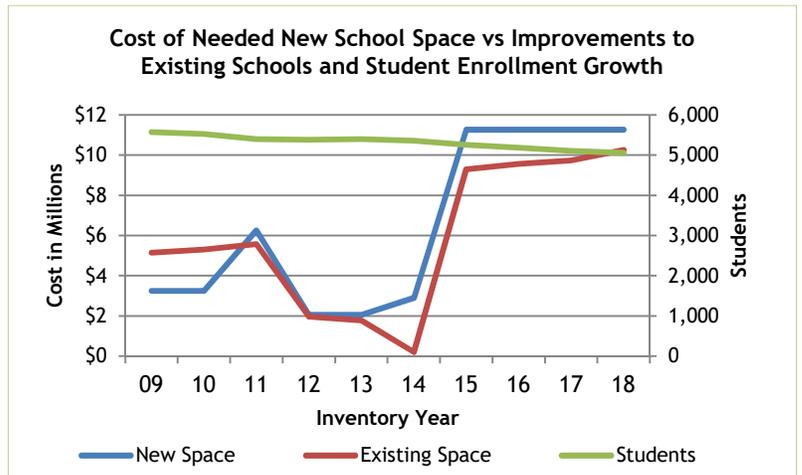
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Cocke County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 44,515,000	\$ 177,367,025
Water and Wastewater	\$ -	\$ 23,388,000
New Public Schools & Additions	\$ 7,676,000	\$ 3,590,000
School Renovations	\$ 8,456,000	\$ 1,808,807
Broadband	\$ -	\$ 7,000,000
Other Utilities	\$ 2,900,000	\$ 3,200,000
Law Enforcement	\$ 3,000,000	\$ -
Recreation	\$ -	\$ 507,560
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 66,547,000	\$ 216,861,392



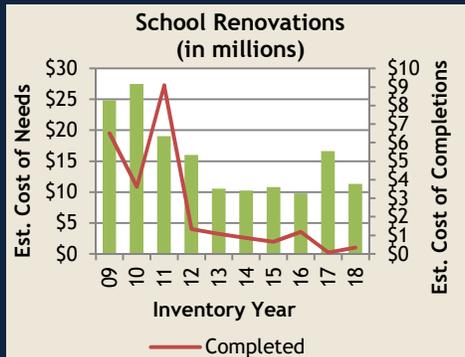
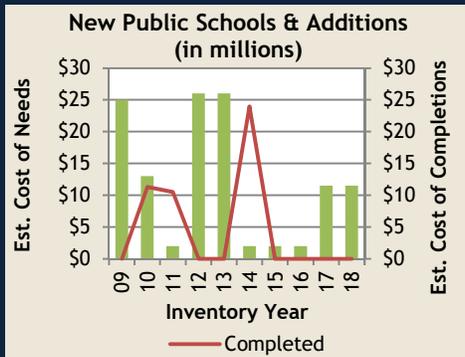
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Coffee County

Total Estimated Cost* for Infrastructure Improvements

\$147,405,927

TOP 3

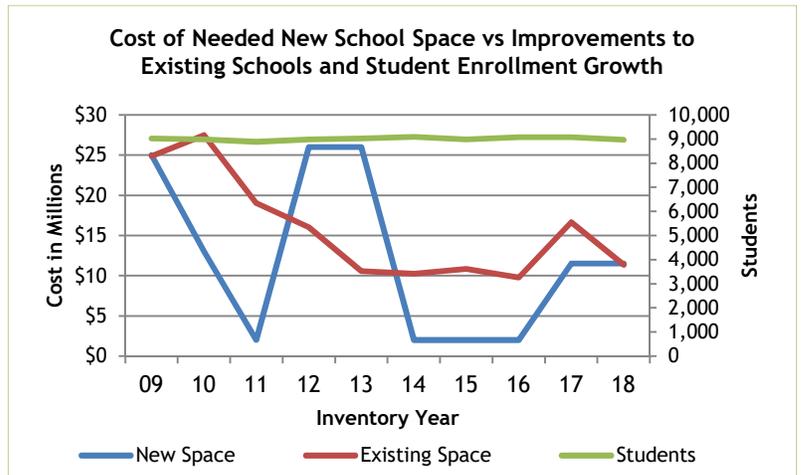


■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Coffee County

Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 55,930,000	\$ 52,665,927
New Public Schools & Additions	\$ 11,000,000	\$ 500,000
School Renovations	\$ 5,000,000	\$ 6,350,000
Water and Wastewater	\$ 4,000,000	\$ 6,290,000
Public Buildings	\$ 180,000	\$ 3,200,000
Recreation	\$ -	\$ 1,200,000
Law Enforcement	\$ -	\$ 590,000
Industrial Sites and Parks	\$ 500,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 76,610,000	\$ 70,795,927



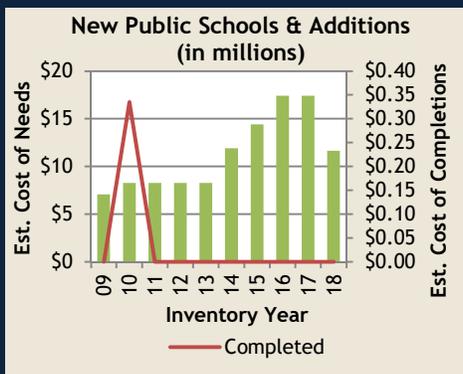
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Crockett County

Total Estimated Cost* for Infrastructure Improvements

\$50,179,304

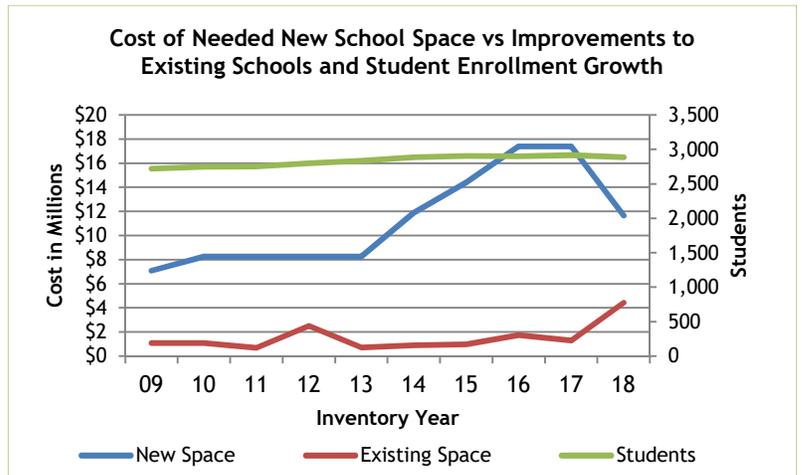
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Crockett County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 24,631,000	\$ 3,841,578
New Public Schools & Additions	\$ 4,550,000	\$ 7,100,000
School Renovations	\$ 2,880,000	\$ 1,550,000
Water and Wastewater	\$ 2,622,726	\$ 404,000
Recreation	\$ 1,100,000	\$ -
Public Buildings	\$ 200,000	\$ 800,000
Community Development	\$ 500,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 36,483,726	\$ 13,695,578



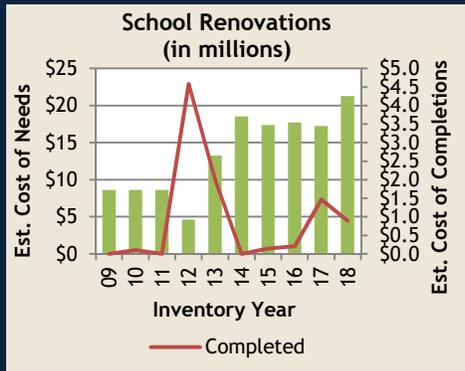
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Cumberland County

Total Estimated Cost* for Infrastructure Improvements

\$490,269,413

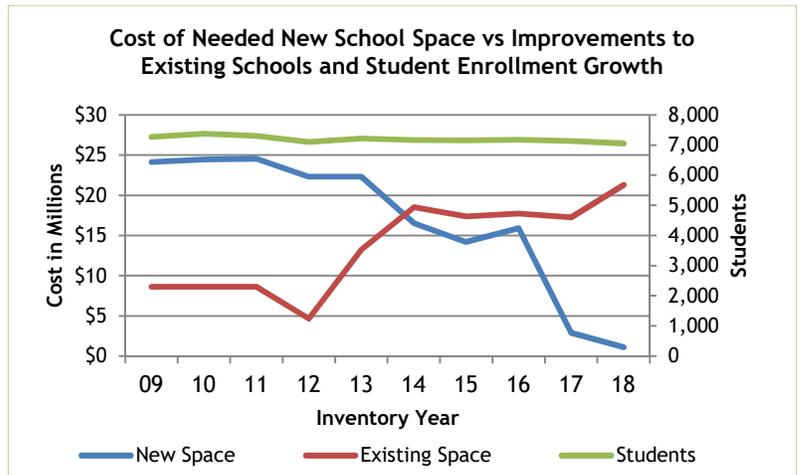
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Cumberland County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 29,052,000	\$ 337,280,413
Water and Wastewater	\$ 53,200,000	\$ 14,200,000
School Renovations	\$ 4,572,000	\$ 16,715,000
Industrial Sites and Parks	\$ -	\$ 18,500,000
Recreation	\$ 5,160,000	\$ 1,270,000
Business District Development	\$ -	\$ 6,000,000
Other Utilities	\$ -	\$ 1,500,000
Post-secondary Education	\$ -	\$ 1,420,000
New Public Schools & Additions	\$ 1,100,000	\$ -
Storm Water	\$ -	\$ 300,000
Broadband	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 93,084,000	\$ 397,185,413



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Davidson County

Total Estimated Cost* for Infrastructure Improvements

\$9,196,584,935

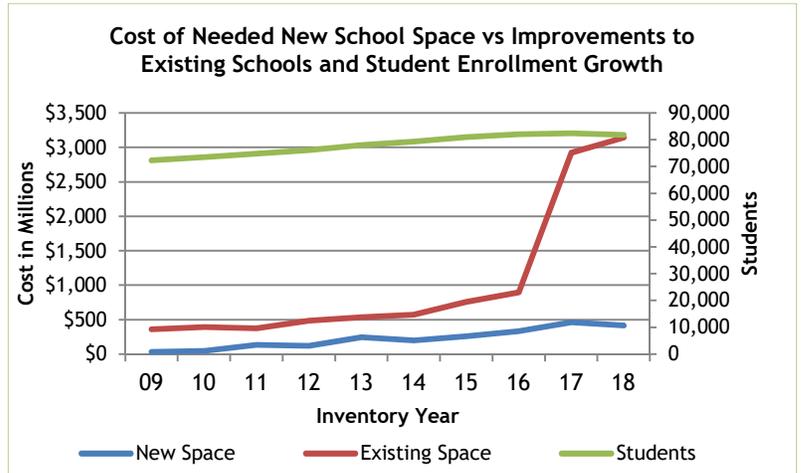
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Davidson County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
School Renovations	\$ 3,021,950,000	\$ 121,471,200
Transportation	\$ 508,924,000	\$ 1,910,340,890
Water and Wastewater	\$ 3,624,000	\$ 1,106,977,300
Law Enforcement	\$ 292,490,000	\$ 275,250,000
Post-secondary Education	\$ 222,960,000	\$ 240,400,722
New Public Schools & Additions	\$ 415,440,000	\$ -
Public Buildings	\$ 255,770,000	\$ 140,736,823
Libraries, Museums, & Historic Sites	\$ 47,593,000	\$ 320,392,000
Recreation	\$ -	\$ 93,660,000
Public Health Facilities	\$ 40,702,000	\$ 11,048,000
Housing	\$ -	\$ 45,000,000
Fire Protection	\$ 38,000,000	\$ -
Community Development	\$ -	\$ 27,200,000
Other Facilities	\$ 21,490,000	\$ 2,500,000
Other Education	\$ 11,345,000	\$ 5,970,000
Business District Development	\$ 12,000,000	\$ -
Other Utilities	\$ 3,300,000	\$ -
Storm Water	\$ 50,000	\$ -
Broadband	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 4,895,638,000	\$ 4,300,946,935



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Decatur County

Total Estimated Cost* for Infrastructure Improvements

\$89,890,600

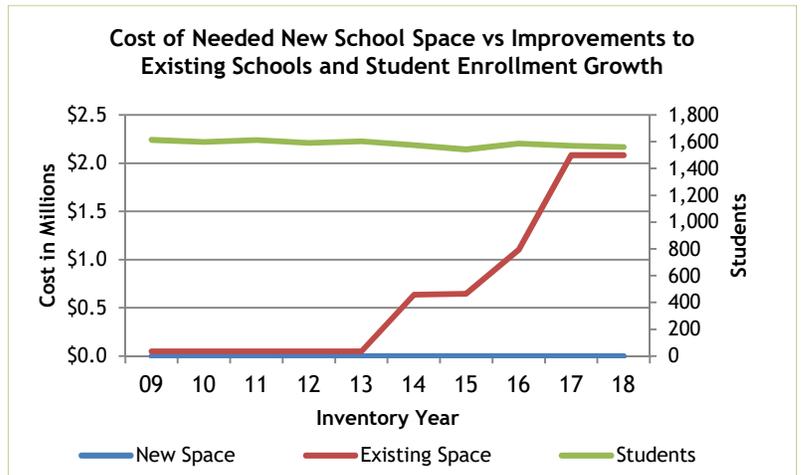
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Decatur County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 84,214,000	\$ 2,843,900
School Renovations	\$ 696,700	\$ 1,386,000
Storm Water	\$ 750,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
Recreation	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Water and Wastewater	\$ -	\$ -
Total	\$ 85,660,700	\$ 4,229,900



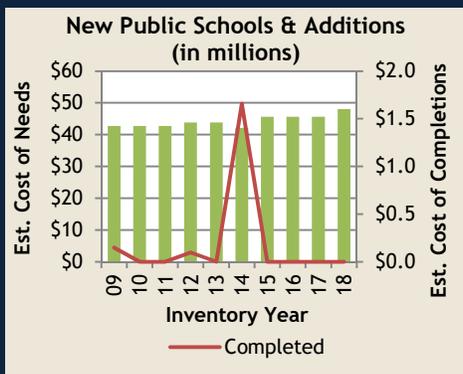
*Total Estimated Cost = Conceptual + Planning & Design + Construction

DeKalb County

Total Estimated Cost* for Infrastructure Improvements

\$155,402,543

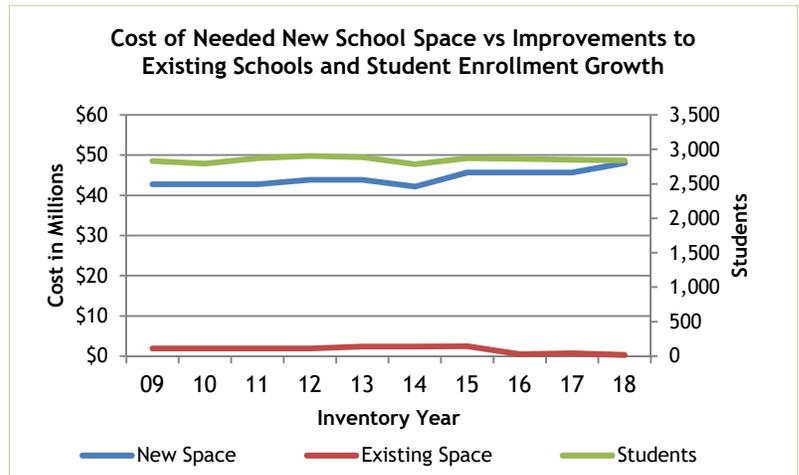
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for DeKalb County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 17,671,000	\$ 82,180,000
New Public Schools & Additions	\$ 6,060,000	\$ 42,000,000
Recreation	\$ 330,000	\$ 2,200,000
Industrial Sites and Parks	\$ 2,250,000	\$ -
Law Enforcement	\$ 1,300,000	\$ -
Water and Wastewater	\$ -	\$ 915,543
School Renovations	\$ 275,000	\$ -
Public Health Facilities	\$ 146,000	\$ -
Fire Protection	\$ -	\$ 75,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 28,032,000	\$ 127,370,543



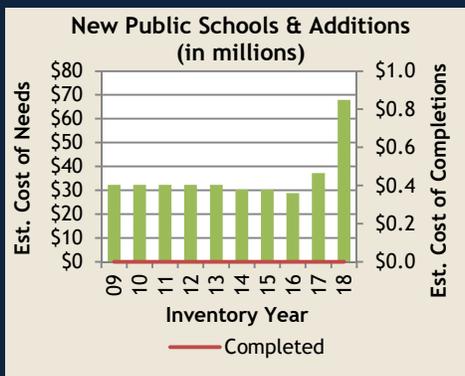
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Dickson County

Total Estimated Cost* for Infrastructure Improvements

\$267,309,880

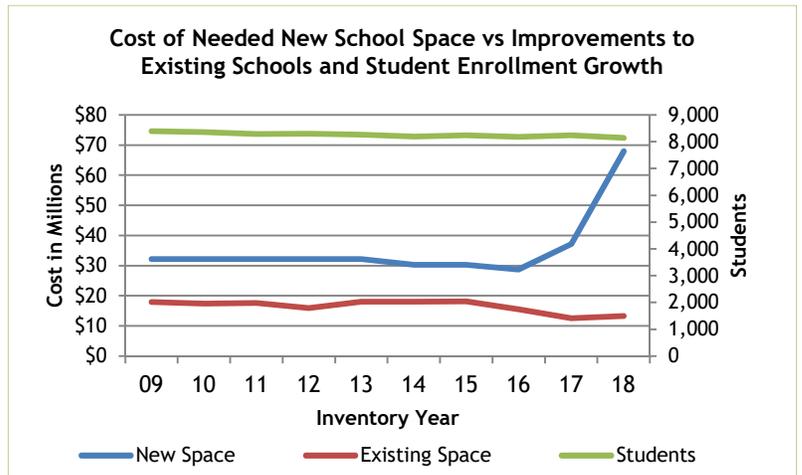
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Dickson County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 44,084,000	\$ 61,885,758
New Public Schools & Additions	\$ 33,000,000	\$ 34,951,000
Recreation	\$ 8,080,000	\$ 23,480,000
Public Buildings	\$ 2,500,000	\$ 29,000,000
School Renovations	\$ 6,948,948	\$ 6,343,717
Water and Wastewater	\$ -	\$ 9,118,962
Business District Development	\$ -	\$ 2,667,495
Fire Protection	\$ 1,000,000	\$ 600,000
Solid Waste	\$ -	\$ 1,500,000
Other Facilities	\$ 770,000	\$ -
Community Development	\$ -	\$ 630,000
Post-secondary Education	\$ -	\$ 550,000
School-System-wide	\$ -	\$ 200,000
Broadband	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 96,382,948	\$ 170,926,932



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Dyer County

Total Estimated Cost* for Infrastructure Improvements
\$360,523,147

TOP 3

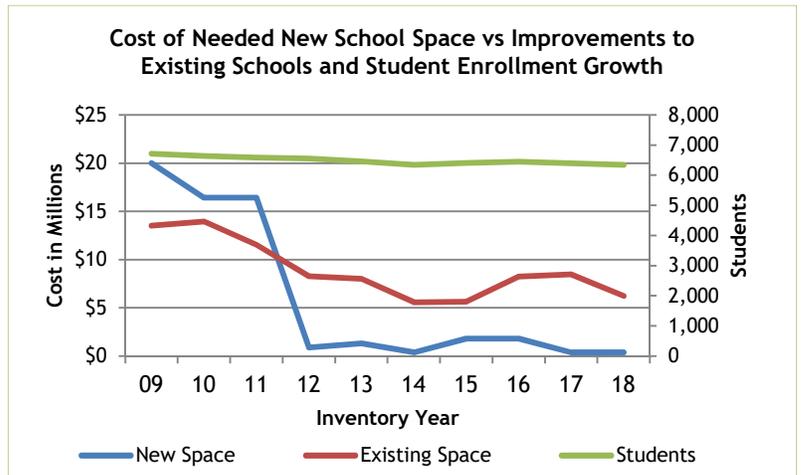


■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Dyer County

Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 99,282,000	\$ 232,555,147
Water and Wastewater	\$ 4,950,000	\$ 3,000,000
School Renovations	\$ 2,560,000	\$ 3,680,000
Recreation	\$ 150,000	\$ 4,200,000
Post-secondary Education	\$ 400,000	\$ 3,585,000
Public Buildings	\$ 1,206,000	\$ 425,000
Fire Protection	\$ 1,250,000	\$ -
Other Facilities	\$ 1,100,000	\$ -
Law Enforcement	\$ 1,000,000	\$ -
Community Development	\$ 800,000	\$ -
New Public Schools & Additions	\$ 380,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 113,078,000	\$ 247,445,147



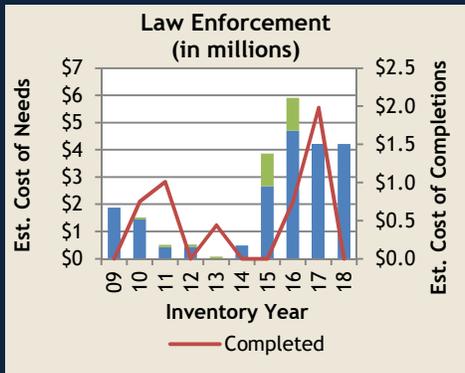
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Fayette County

Total Estimated Cost* for Infrastructure Improvements

\$228,930,117

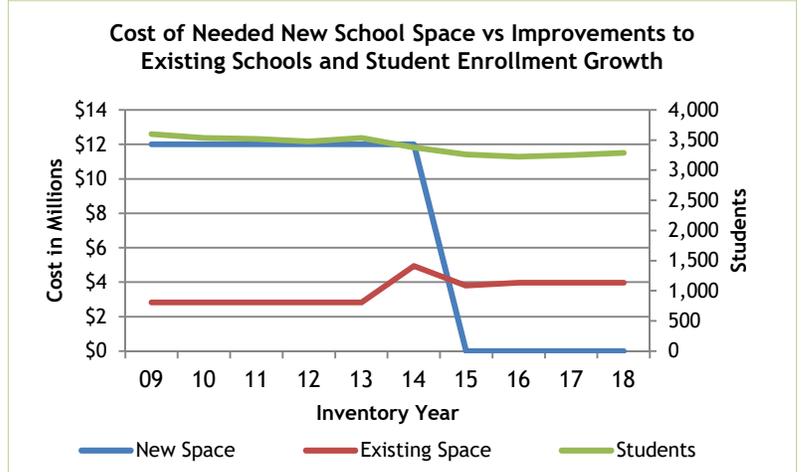
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Fayette County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 85,948,500	\$ 130,265,566
Law Enforcement	\$ -	\$ 4,210,000
School Renovations	\$ 3,960,000	\$ -
Water and Wastewater	\$ 1,570,000	\$ 1,531,365
Recreation	\$ 725,000	\$ -
Fire Protection	\$ -	\$ 300,000
Community Development	\$ -	\$ 219,686
Housing	\$ 200,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 92,403,500	\$ 136,526,617



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Fentress County

Total Estimated Cost* for Infrastructure Improvements

\$128,486,700

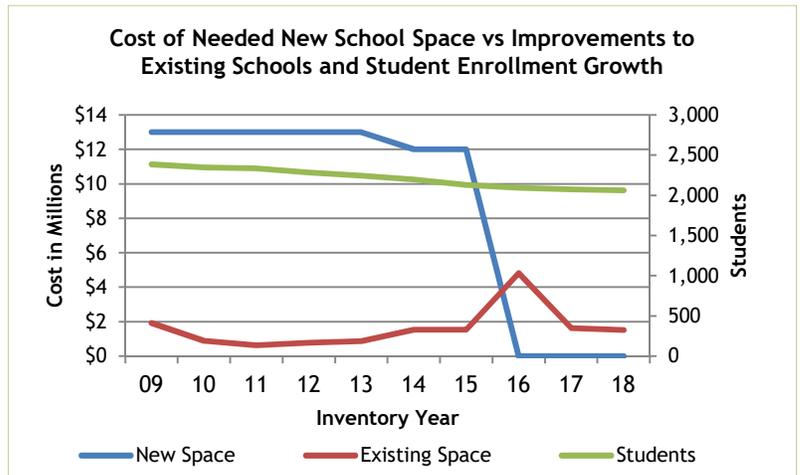
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Fentress County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 26,713,000	\$ 79,830,700
Other Education	\$ 6,440,000	\$ 1,890,000
Recreation	\$ 4,600,000	\$ 492,000
Industrial Sites and Parks	\$ -	\$ 5,000,000
Water and Wastewater	\$ 640,000	\$ 1,070,000
School Renovations	\$ 1,261,000	\$ 250,000
Community Development	\$ 300,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 39,954,000	\$ 88,532,700



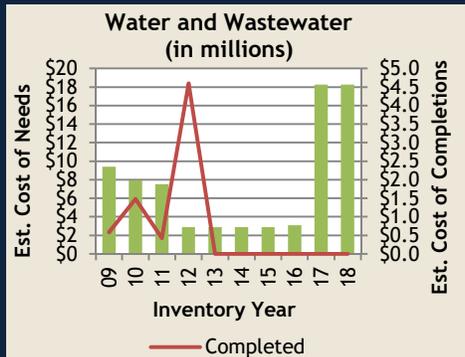
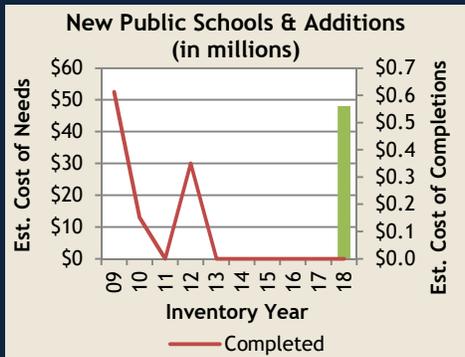
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Franklin County

Total Estimated Cost* for Infrastructure Improvements

\$136,102,797

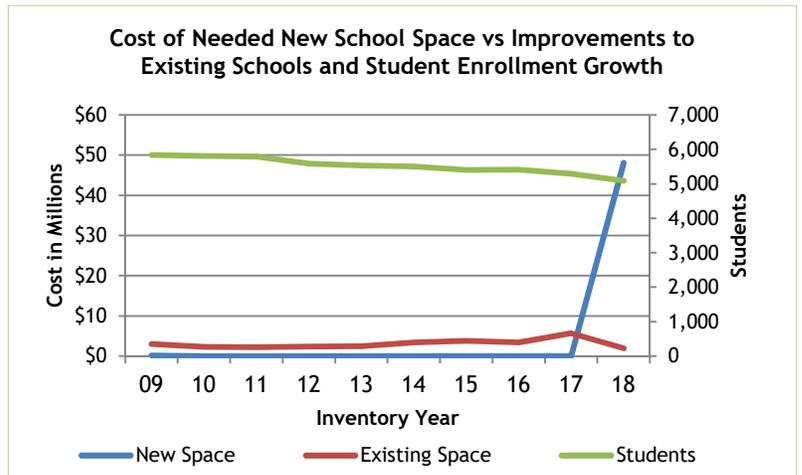
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Franklin County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 37,993,000	\$ 19,023,630
New Public Schools & Additions	\$ 24,088,000	\$ 24,000,000
Water and Wastewater	\$ 1,250,000	\$ 17,000,000
Post-secondary Education	\$ -	\$ 5,000,000
Industrial Sites and Parks	\$ -	\$ 3,429,667
Recreation	\$ 2,400,000	\$ -
School Renovations	\$ 1,918,500	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 67,649,500	\$ 68,453,297



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Gibson County

Total Estimated Cost* for Infrastructure Improvements

\$134,180,090

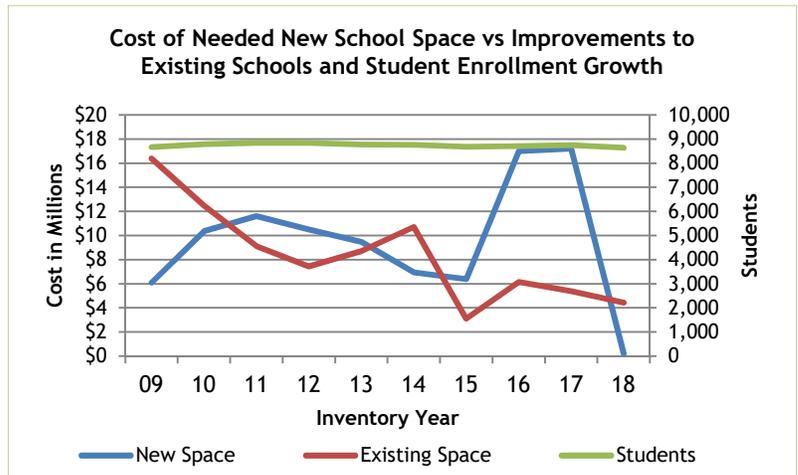
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Gibson County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 63,737,000	\$ 36,935,258
Water and Wastewater	\$ 3,770,000	\$ 12,865,032
Industrial Sites and Parks	\$ -	\$ 5,391,800
School Renovations	\$ 4,210,000	\$ 210,000
Other Facilities	\$ 2,040,000	\$ -
Fire Protection	\$ 1,300,000	\$ -
Recreation	\$ 1,131,000	\$ -
Law Enforcement	\$ 150,000	\$ 740,000
Community Development	\$ 500,000	\$ -
Libraries, Museums, & Historic Sites	\$ 400,000	\$ -
Public Buildings	\$ 300,000	\$ -
Storm Water	\$ 300,000	\$ -
New Public Schools & Additions	\$ -	\$ 200,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Housing	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 77,838,000	\$ 56,342,090



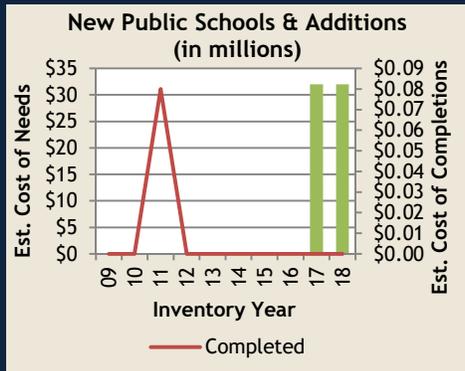
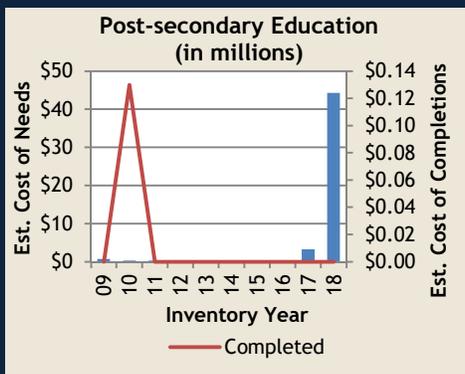
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Giles County

Total Estimated Cost* for Infrastructure Improvements

\$165,470,873

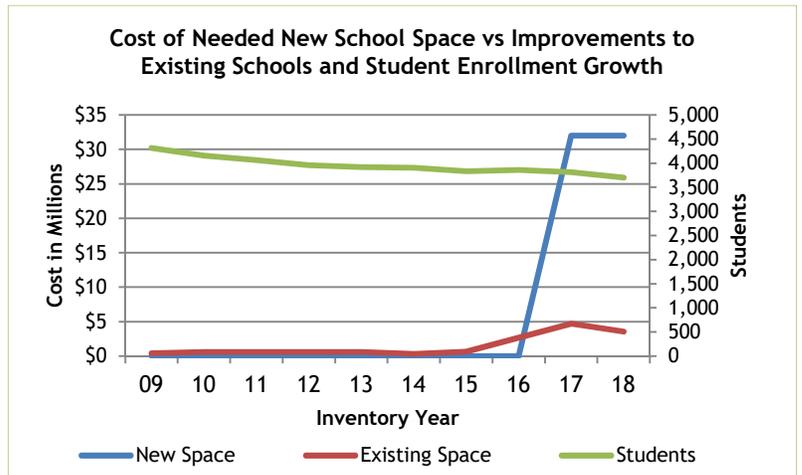
TOP 3



- = Local
- = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Giles County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 30,062,000	\$ 44,413,273
Post-secondary Education	\$ 41,120,000	\$ 3,171,350
New Public Schools & Additions	\$ 32,000,000	\$ -
Water and Wastewater	\$ 650,000	\$ 4,170,000
School Renovations	\$ 3,544,250	\$ -
Recreation	\$ 3,000,000	\$ 540,000
Law Enforcement	\$ 2,000,000	\$ -
Public Buildings	\$ 250,000	\$ 500,000
Community Development	\$ -	\$ 50,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 112,626,250	\$ 52,844,623



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Grainger County

Total Estimated Cost* for Infrastructure Improvements

\$123,140,439

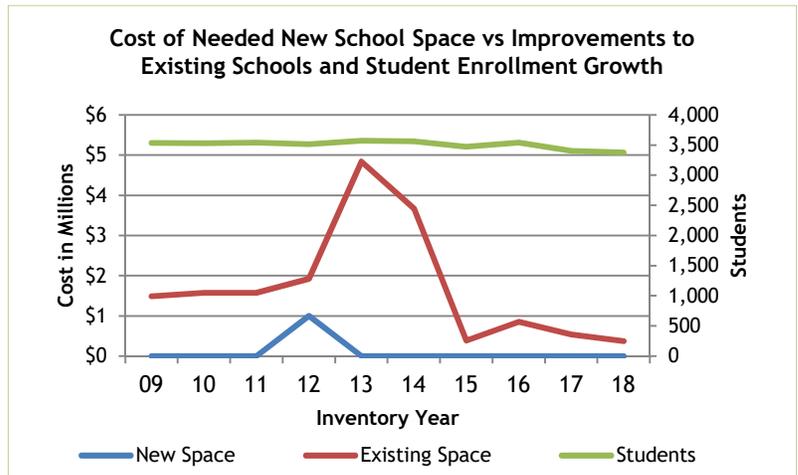
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Grainger County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 15,308,000	\$ 92,708,235
Water and Wastewater	\$ 11,420,700	\$ -
Recreation	\$ 1,175,000	\$ 550,000
Industrial Sites and Parks	\$ 1,000,000	\$ -
Libraries, Museums, & Historic Sites	\$ 500,000	\$ -
School Renovations	\$ 210,000	\$ 160,000
Community Development	\$ -	\$ 108,504
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 29,613,700	\$ 93,526,739



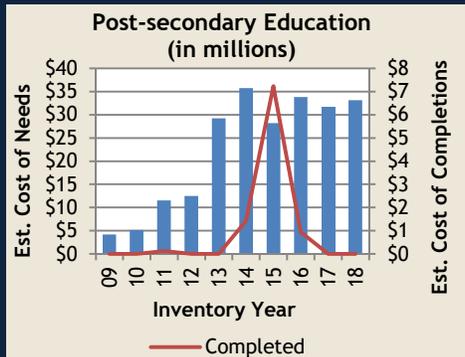
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Greene County

Total Estimated Cost* for Infrastructure Improvements

\$326,848,855

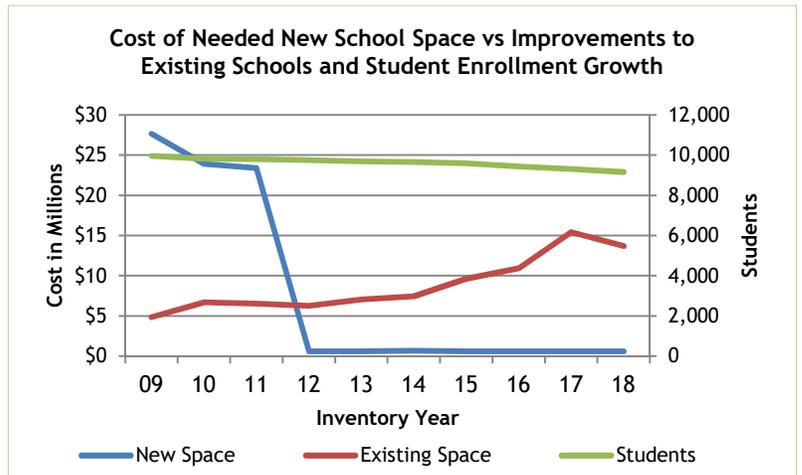
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Greene County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 76,153,000	\$ 90,616,136
Water and Wastewater	\$ 30,237,000	\$ 12,634,338
Post-secondary Education	\$ -	\$ 33,140,000
Storm Water	\$ 25,500,000	\$ 100,000
School Renovations	\$ 12,507,000	\$ 1,197,381
Public Health Facilities	\$ 12,100,000	\$ -
Law Enforcement	\$ 12,000,000	\$ -
Other Utilities	\$ 2,800,000	\$ 8,300,000
Fire Protection	\$ 1,000,000	\$ 1,500,000
Recreation	\$ 520,000	\$ 1,965,000
Community Development	\$ 1,500,000	\$ 500,000
Public Buildings	\$ 279,000	\$ 500,000
Other Facilities	\$ 350,000	\$ 350,000
New Public Schools & Additions	\$ 600,000	\$ -
Housing	\$ -	\$ 500,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 175,546,000	\$ 151,302,855



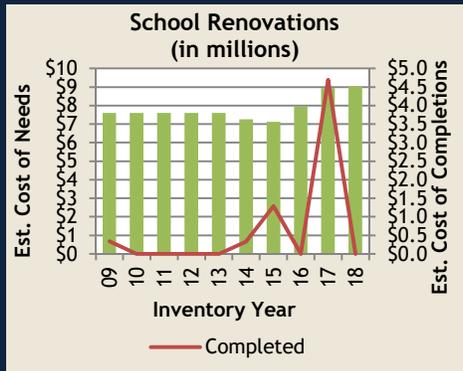
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Grundy County

Total Estimated Cost* for Infrastructure Improvements

\$55,151,291

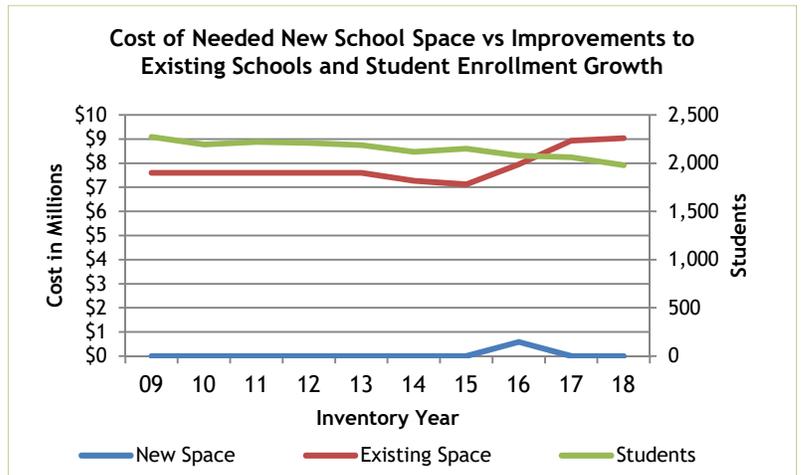
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Grundy County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Recreation	\$ 24,225,000	\$ 745,267
Transportation	\$ 7,523,000	\$ 5,104,924
School Renovations	\$ 8,050,000	\$ 985,000
Water and Wastewater	\$ 2,325,000	\$ 3,218,100
Community Development	\$ 250,000	\$ 840,000
Law Enforcement	\$ -	\$ 660,000
Industrial Sites and Parks	\$ 600,000	\$ -
Fire Protection	\$ 475,000	\$ -
Libraries, Museums, & Historic Sites	\$ 150,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Housing	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 43,598,000	\$ 11,553,291



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Hamblen County

Total Estimated Cost* for Infrastructure Improvements

\$348,715,608

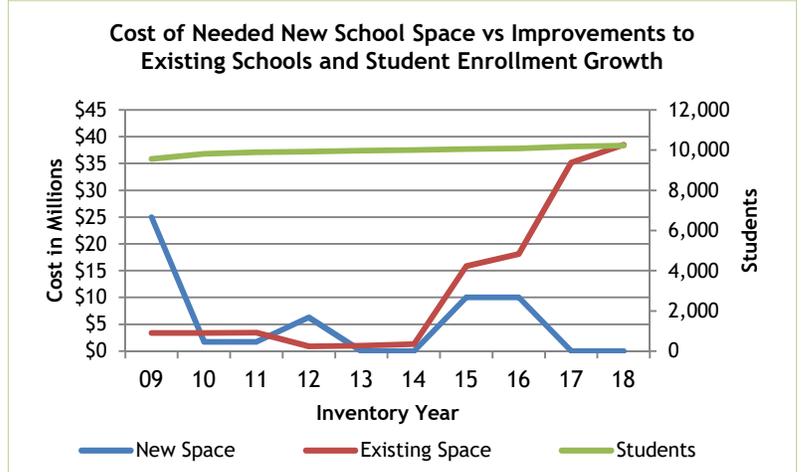
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Hamblen County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 94,791,000	\$ 110,831,527
Law Enforcement	\$ 40,000,000	\$ 130,000
School Renovations	\$ 24,628,000	\$ 13,864,000
Community Development	\$ -	\$ 25,000,000
Recreation	\$ 7,300,000	\$ 9,703,731
Other Facilities	\$ -	\$ 12,000,000
Post-secondary Education	\$ 500,000	\$ 6,398,886
Water and Wastewater	\$ -	\$ 3,568,464
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 167,219,000	\$ 181,496,608



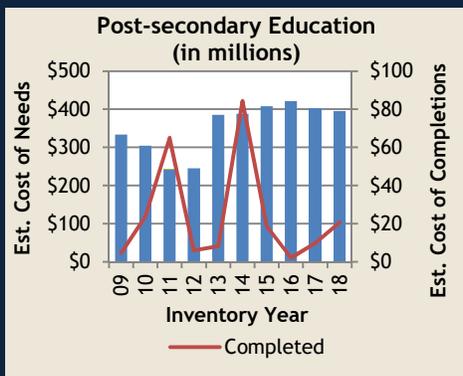
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Hamilton County

Total Estimated Cost* for Infrastructure Improvements

\$2,961,240,064

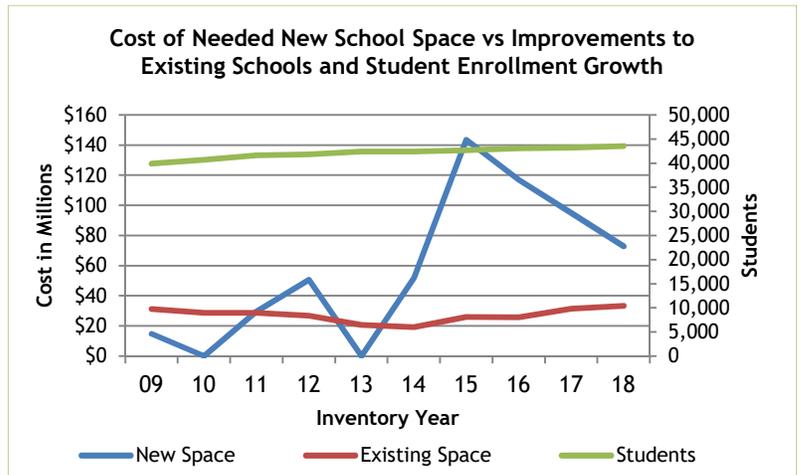
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Hamilton County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 384,426,000	\$ 1,653,920,042
Post-secondary Education	\$ 168,930,000	\$ 226,518,540
Water and Wastewater	\$ 10,347,000	\$ 173,838,401
Public Health Facilities	\$ 133,950,000	\$ 3,600,000
New Public Schools & Additions	\$ 72,800,000	\$ 75,000
Law Enforcement	\$ 29,980,000	\$ 6,212,600
School Renovations	\$ 19,380,000	\$ 13,983,000
Recreation	\$ 8,367,856	\$ 13,064,662
Public Buildings	\$ 8,950,000	\$ 725,000
Storm Water	\$ 5,814,000	\$ 1,800,200
Fire Protection	\$ 1,000,000	\$ 6,600,000
Community Development	\$ 3,600,000	\$ 2,382,463
Business District Development	\$ -	\$ 4,200,000
Solid Waste	\$ -	\$ 3,005,300
Other Facilities	\$ -	\$ 1,850,000
Libraries, Museums, & Historic Sites	\$ 300,000	\$ 1,100,000
Industrial Sites and Parks	\$ 520,000	\$ -
Broadband	\$ -	\$ -
Housing	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Total	\$ 848,364,856	\$ 2,112,875,208



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Hancock County

Total Estimated Cost* for Infrastructure Improvements

\$41,136,603

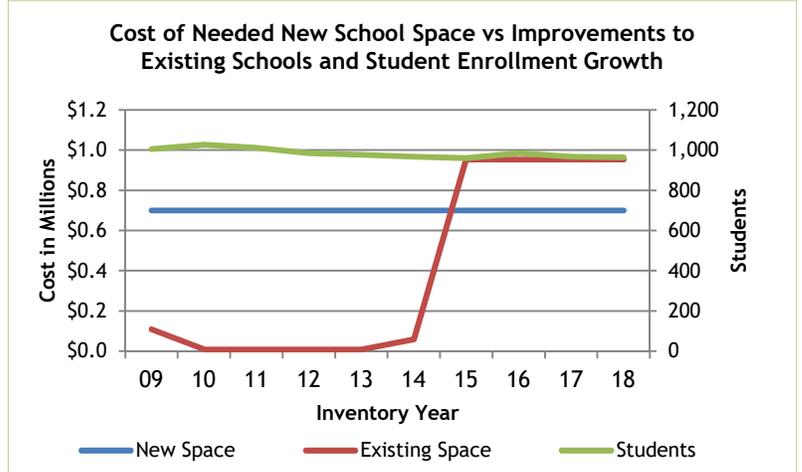
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Hancock County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 24,574,000	\$ 2,192,000
Water and Wastewater	\$ 6,289,182	\$ 1,207,000
Industrial Sites and Parks	\$ -	\$ 2,098,750
Recreation	\$ 2,075,000	\$ -
School Renovations	\$ 895,271	\$ 58,400
Public Buildings	\$ 750,000	\$ 122,000
New Public Schools & Additions	\$ -	\$ 700,000
Other Utilities	\$ 175,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 34,758,453	\$ 6,378,150



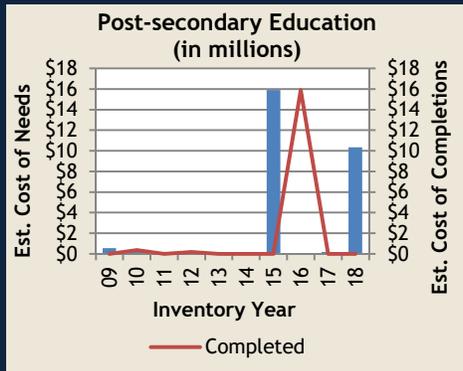
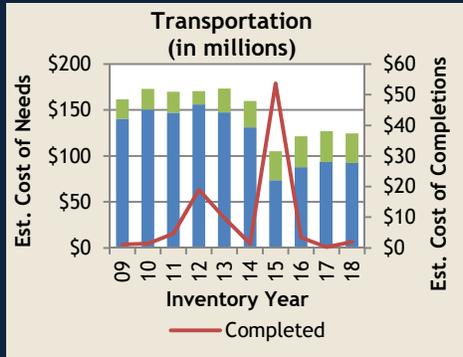
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Hardeman County

Total Estimated Cost* for Infrastructure Improvements

\$175,468,929

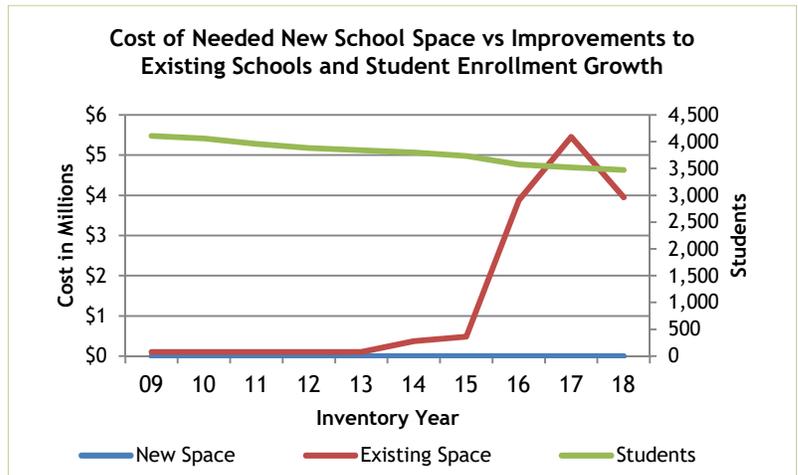
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Hardeman County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 55,193,000	\$ 69,282,669
Public Health Facilities	\$ 32,210,000	\$ -
Post-secondary Education	\$ 10,350,000	\$ -
School Renovations	\$ 150,000	\$ 3,800,000
Water and Wastewater	\$ 950,000	\$ 249,760
Law Enforcement	\$ 1,000,000	\$ -
Fire Protection	\$ 950,000	\$ -
Public Buildings	\$ -	\$ 750,000
Recreation	\$ 300,000	\$ 283,500
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 101,103,000	\$ 74,365,929



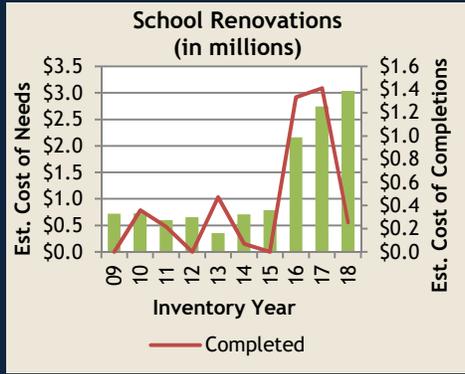
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Hardin County

Total Estimated Cost* for Infrastructure Improvements

\$254,657,071

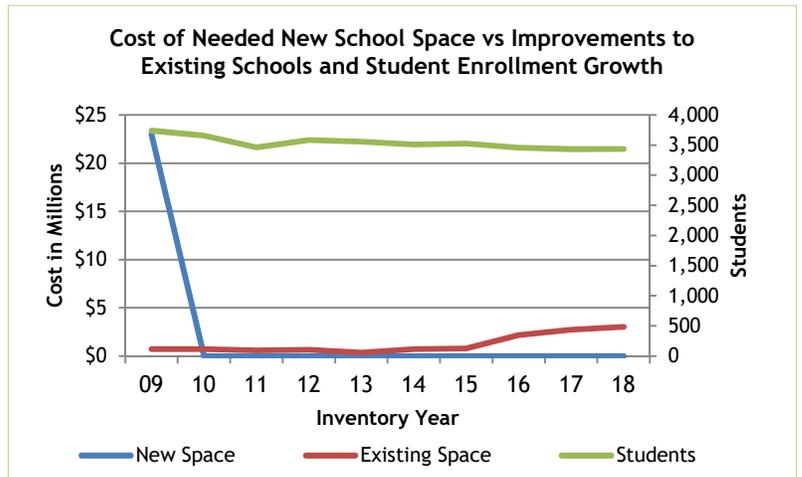
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Hardin County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 145,683,000	\$ 83,817,268
Recreation	\$ 5,515,000	\$ 11,680,000
School Renovations	\$ 135,000	\$ 2,903,000
Water and Wastewater	\$ 605,000	\$ 2,104,423
Industrial Sites and Parks	\$ 1,000,000	\$ -
Business District Development	\$ 500,000	\$ 150,000
Fire Protection	\$ 350,000	\$ -
Post-secondary Education	\$ -	\$ 114,380
Libraries, Museums, & Historic Sites	\$ 100,000	\$ -
Broadband	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 153,888,000	\$ 100,769,071



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Hawkins County

Total Estimated Cost* for Infrastructure Improvements

\$213,515,061

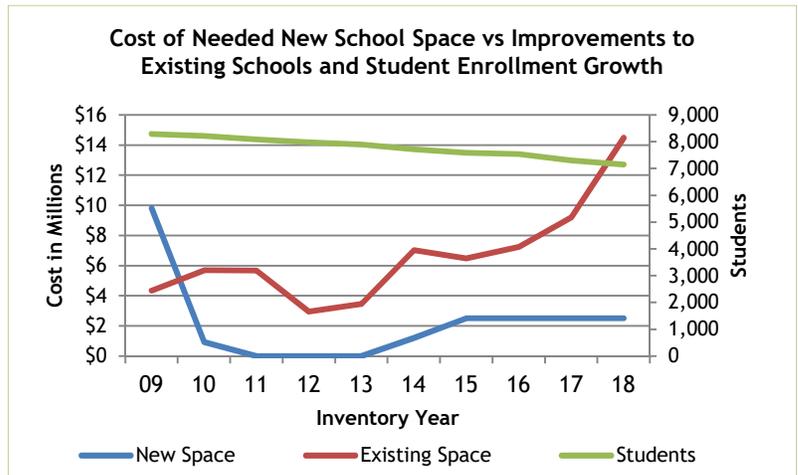
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Hawkins County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 76,052,000	\$ 73,620,897
Water and Wastewater	\$ 25,387,850	\$ 3,061,172
School Renovations	\$ 11,572,000	\$ 2,920,142
Community Development	\$ 5,500,000	\$ 1,700,000
Recreation	\$ 600,000	\$ 4,233,000
Other Utilities	\$ -	\$ 3,000,000
New Public Schools & Additions	\$ 2,500,000	\$ -
Fire Protection	\$ 975,000	\$ 200,000
Law Enforcement	\$ 850,000	\$ -
Housing	\$ 100,000	\$ 500,000
Other Facilities	\$ -	\$ 550,000
Industrial Sites and Parks	\$ 193,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 123,729,850	\$ 89,785,211



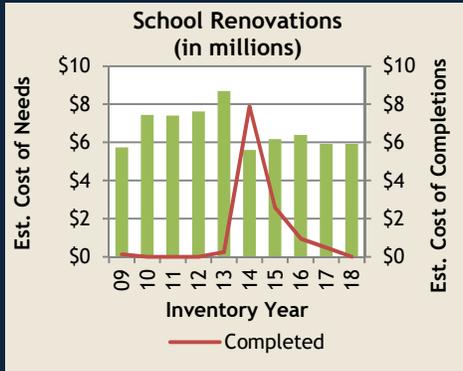
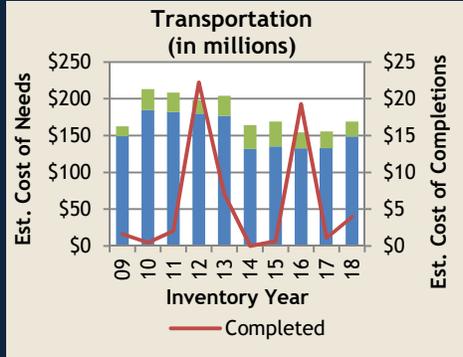
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Haywood County

Total Estimated Cost* for Infrastructure Improvements

\$180,926,866

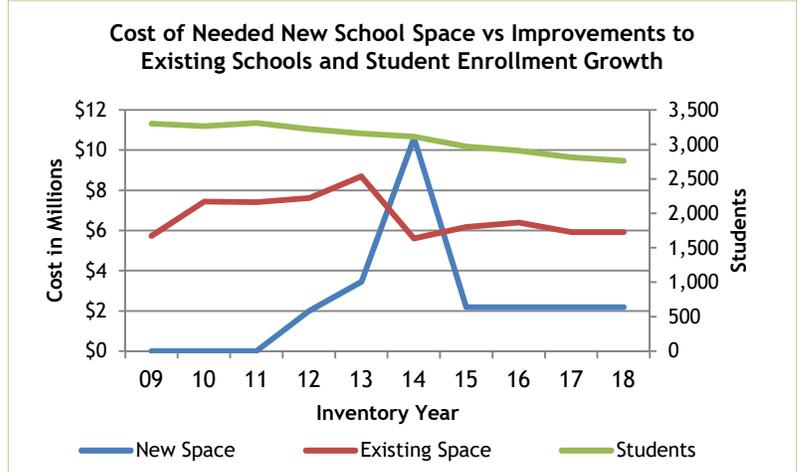
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Haywood County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 74,258,000	\$ 94,891,166
School Renovations	\$ 4,923,000	\$ 989,700
Water and Wastewater	\$ 3,500,000	\$ -
New Public Schools & Additions	\$ 2,190,000	\$ -
Recreation	\$ 175,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 85,046,000	\$ 95,880,866



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Henderson County

Total Estimated Cost* for Infrastructure Improvements

\$147,419,987

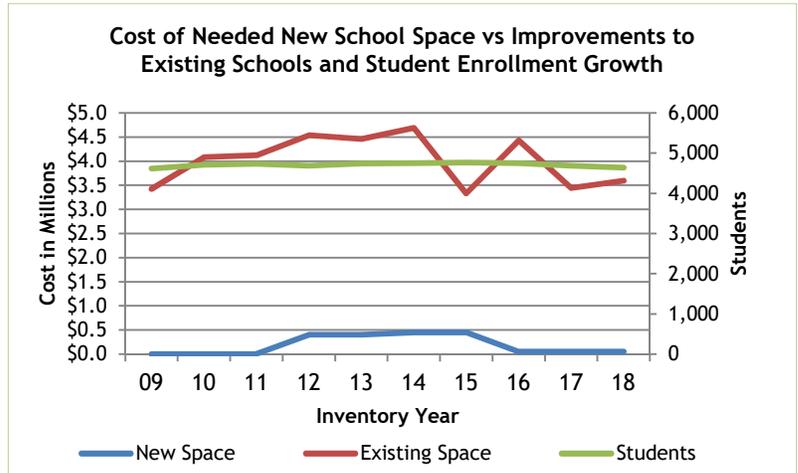
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Henderson County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 38,993,000	\$ 89,755,237
Recreation	\$ 6,770,000	\$ -
Community Development	\$ 5,000,000	\$ -
School Renovations	\$ 545,000	\$ 3,048,000
Public Buildings	\$ -	\$ 1,710,000
Law Enforcement	\$ -	\$ 930,000
Libraries, Museums, & Historic Sites	\$ -	\$ 318,750
Industrial Sites and Parks	\$ -	\$ 150,000
Water and Wastewater	\$ 150,000	\$ -
New Public Schools & Additions	\$ 50,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 51,508,000	\$ 95,911,987



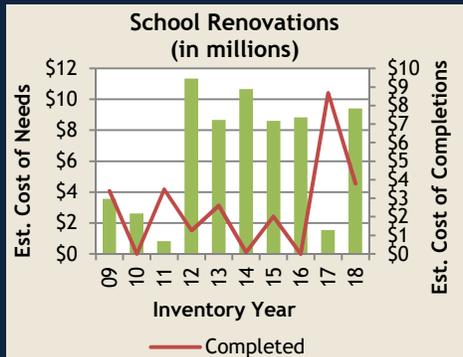
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Henry County

Total Estimated Cost* for Infrastructure Improvements

\$176,229,694

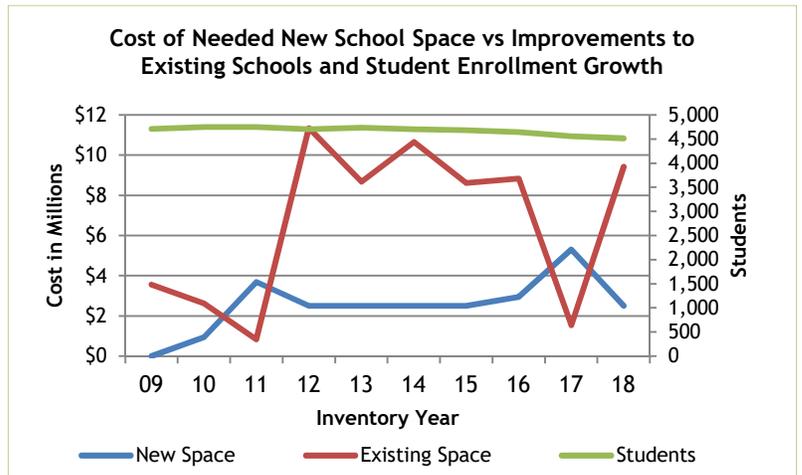
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Henry County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 27,966,000	\$ 85,789,074
Recreation	\$ 14,465,000	\$ 24,570,000
School Renovations	\$ -	\$ 9,416,654
Water and Wastewater	\$ 337,966	\$ 8,200,000
New Public Schools & Additions	\$ -	\$ 2,500,000
School-System-wide	\$ 2,400,000	\$ -
Industrial Sites and Parks	\$ -	\$ 500,000
Fire Protection	\$ 85,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 45,253,966	\$ 130,975,728



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Hickman County

Total Estimated Cost* for Infrastructure Improvements

\$210,837,553

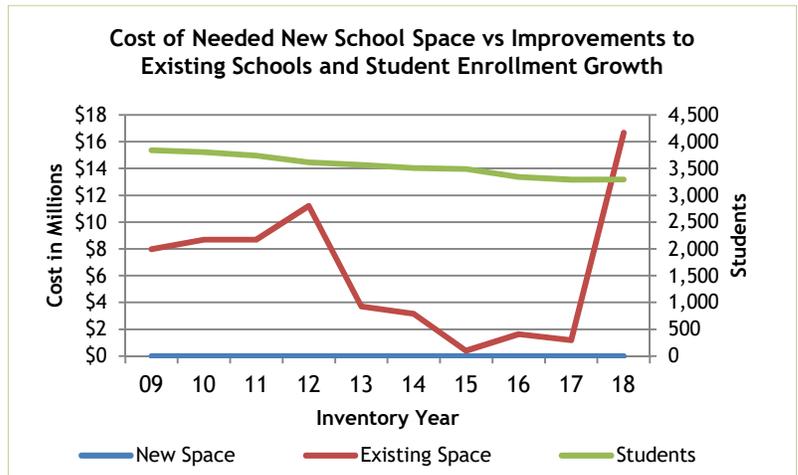
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Hickman County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 54,172,000	\$ 53,202,553
Water and Wastewater	\$ 48,900,000	\$ 1,000,000
Law Enforcement	\$ 17,840,000	\$ 16,900,000
School Renovations	\$ 16,400,000	\$ 278,000
Industrial Sites and Parks	\$ -	\$ 1,800,000
Fire Protection	\$ 185,000	\$ -
Solid Waste	\$ 160,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
Recreation	\$ -	\$ -
School-System-wide	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 137,657,000	\$ 73,180,553



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Houston County

Total Estimated Cost* for Infrastructure Improvements

\$31,893,900

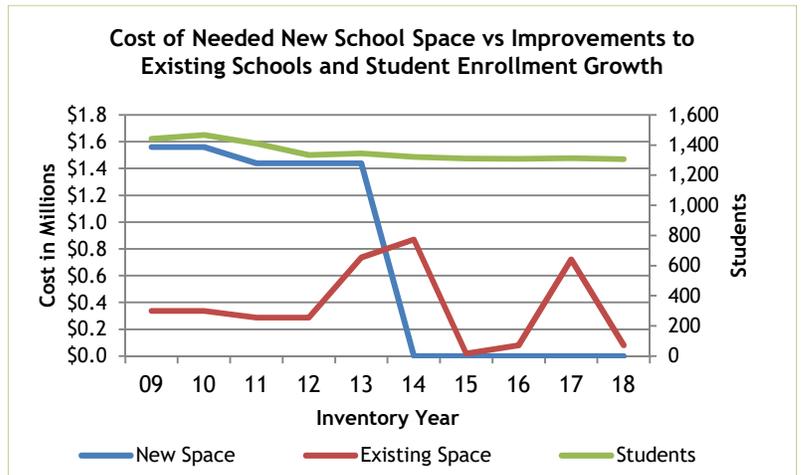
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Houston County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 12,037,000	\$ 4,341,900
Water and Wastewater	\$ 3,200,000	\$ 5,400,000
Community Development	\$ 2,000,000	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ 1,500,000
Recreation	\$ 845,000	\$ 500,000
Other Facilities	\$ 670,000	\$ 100,000
Fire Protection	\$ 650,000	\$ -
Public Health Facilities	\$ -	\$ 400,000
Solid Waste	\$ -	\$ 100,000
School Renovations	\$ -	\$ 80,000
Public Buildings	\$ -	\$ 70,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Law Enforcement	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
School-System-wide	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 19,402,000	\$ 12,491,900



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Humphreys County

Total Estimated Cost* for Infrastructure Improvements

\$223,449,019

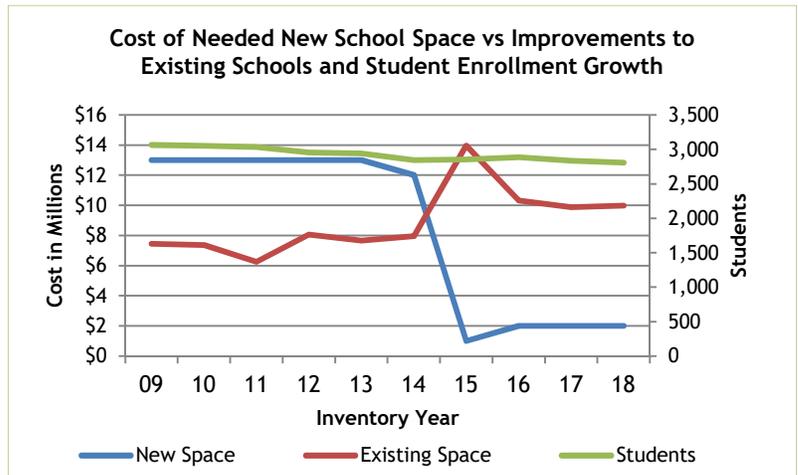
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Humphreys County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 99,848,000	\$ 72,901,600
Water and Wastewater	\$ 13,000,000	\$ 6,388,375
Industrial Sites and Parks	\$ 2,700,000	\$ 9,700,000
School Renovations	\$ 9,625,000	\$ 350,000
Other Utilities	\$ -	\$ 3,110,044
New Public Schools & Additions	\$ 2,000,000	\$ -
Storm Water	\$ 2,000,000	\$ -
Public Buildings	\$ -	\$ 1,076,000
Fire Protection	\$ 500,000	\$ -
Recreation	\$ 250,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 129,923,000	\$ 93,526,019



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Jackson County

Total Estimated Cost* for Infrastructure Improvements

\$85,151,985

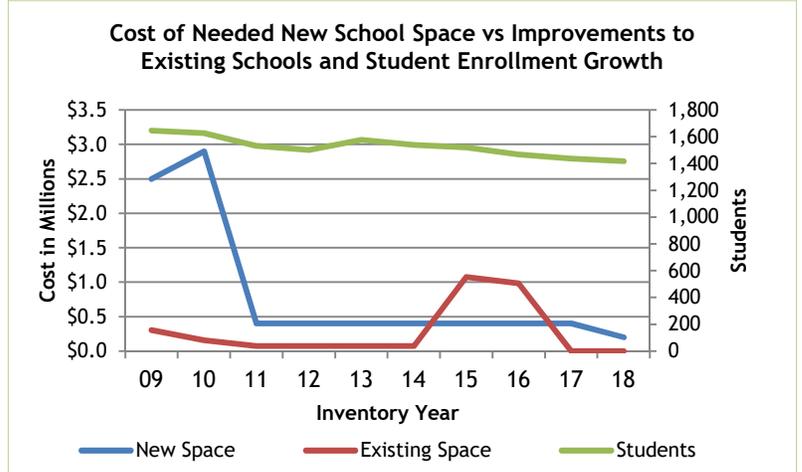
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Jackson County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 58,140,000	\$ 2,088,835
Industrial Sites and Parks	\$ 1,250,000	\$ 15,000,000
Recreation	\$ 2,500,000	\$ 2,950,000
Water and Wastewater	\$ 500,000	\$ 1,173,150
Community Development	\$ 1,350,000	\$ -
New Public Schools & Additions	\$ 200,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School Renovations	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 63,940,000	\$ 21,211,985



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Jefferson County

Total Estimated Cost* for Infrastructure Improvements

\$409,837,660

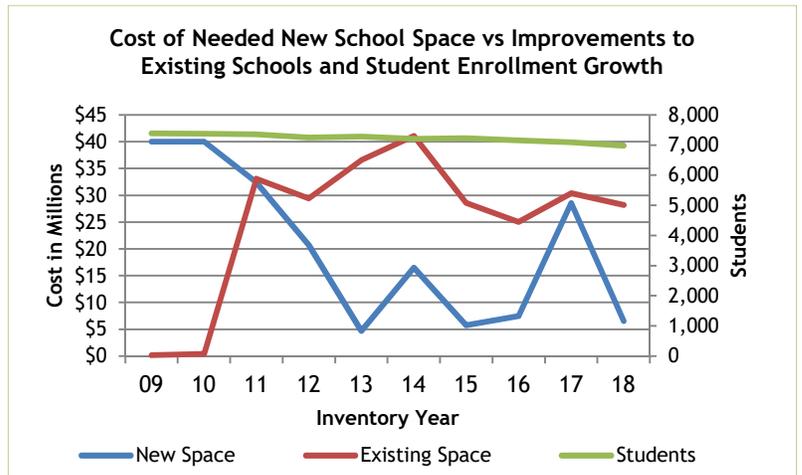
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Jefferson County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 53,666,000	\$ 290,366,505
School Renovations	\$ 24,230,000	\$ 3,944,000
Water and Wastewater	\$ 7,741,244	\$ 16,954,911
New Public Schools & Additions	\$ 6,500,000	\$ -
Law Enforcement	\$ -	\$ 5,200,000
Recreation	\$ 785,000	\$ 250,000
Other Facilities	\$ 150,000	\$ -
Storm Water	\$ -	\$ 50,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 93,072,244	\$ 316,765,416



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Johnson County

Total Estimated Cost* for Infrastructure Improvements

\$150,671,299

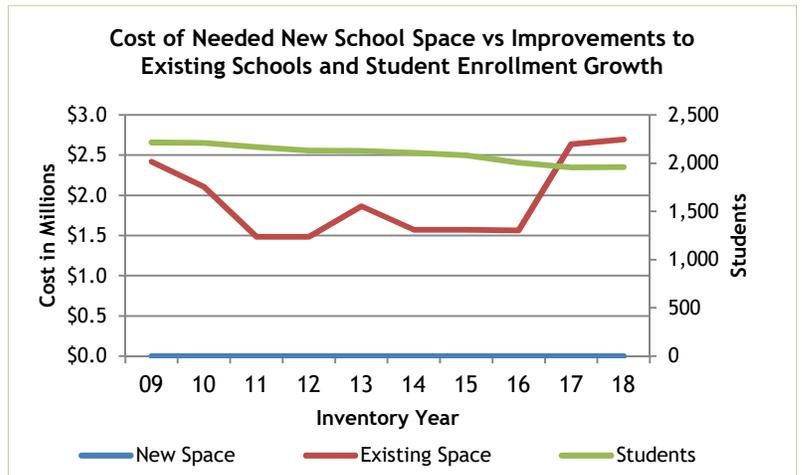
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Johnson County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 18,503,000	\$ 96,830,092
Law Enforcement	\$ 14,210,000	\$ -
Water and Wastewater	\$ 6,500,000	\$ 2,084,500
Recreation	\$ 6,435,000	\$ 1,128,707
School Renovations	\$ 50,000	\$ 2,645,000
Post-secondary Education	\$ 508,000	\$ -
Fire Protection	\$ 500,000	\$ -
Industrial Sites and Parks	\$ 500,000	\$ -
Other Facilities	\$ 300,000	\$ -
Solid Waste	\$ 250,000	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ 227,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 47,756,000	\$ 102,915,299



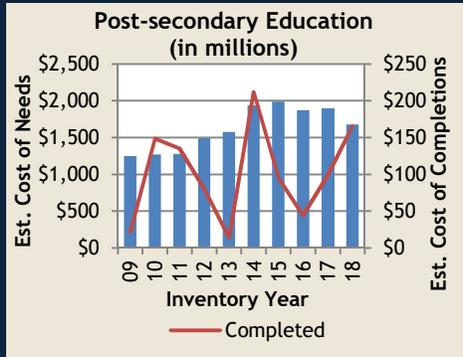
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Knox County

Total Estimated Cost* for Infrastructure Improvements

\$4,049,355,195

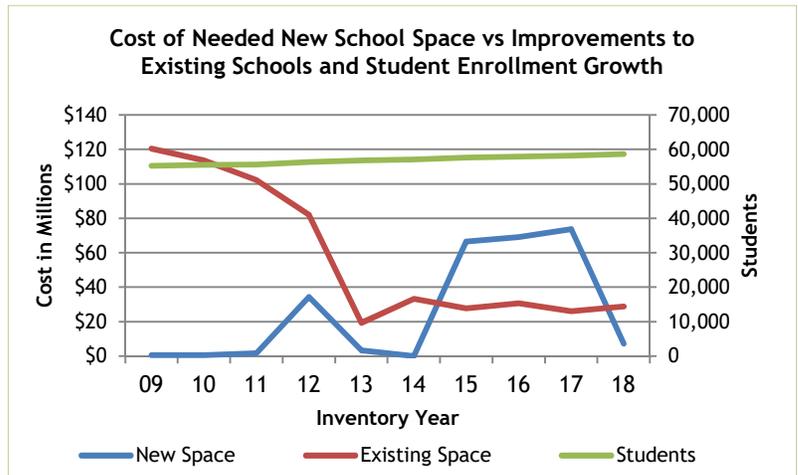
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Knox County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Post-secondary Education	\$ 424,700,000	\$ 1,254,608,000
Transportation	\$ 380,859,000	\$ 1,115,633,912
Water and Wastewater	\$ 77,000,000	\$ 402,165,000
Other Utilities	\$ 16,670,000	\$ 59,000,000
Housing	\$ 15,000,000	\$ 60,000,000
Law Enforcement	\$ 54,500,000	\$ 5,510,000
Other Education	\$ 12,270,000	\$ 25,730,000
Recreation	\$ 2,295,000	\$ 33,094,471
School Renovations	\$ 15,714,000	\$ 13,053,322
Other Facilities	\$ 550,000	\$ 24,823,018
Public Health Facilities	\$ -	\$ 22,190,000
Business District Development	\$ -	\$ 20,239,472
New Public Schools & Additions	\$ 400,000	\$ 6,750,000
Libraries, Museums, & Historic Sites	\$ 2,500,000	\$ 2,300,000
Public Buildings	\$ 1,800,000	\$ -
Broadband	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 1,004,258,000	\$ 3,045,097,195

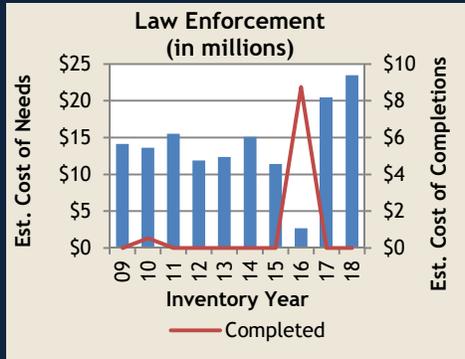


*Total Estimated Cost = Conceptual + Planning & Design + Construction

Lake County

Total Estimated Cost* for Infrastructure Improvements
\$50,059,817

TOP 3

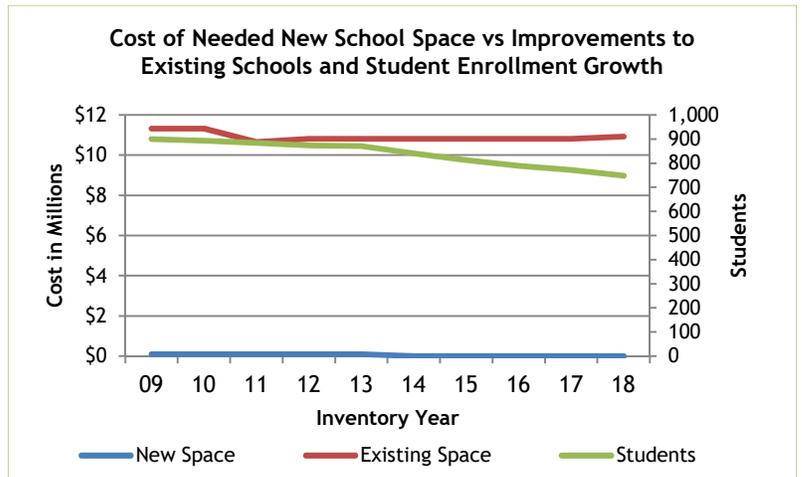


■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Lake County

Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Law Enforcement	\$ 10,500,000	\$ 13,000,000
School Renovations	\$ 10,660,000	\$ 270,000
Transportation	\$ 4,417,000	\$ 3,894,934
Public Buildings	\$ 3,200,000	\$ -
Recreation	\$ 1,800,000	\$ 201,210
Water and Wastewater	\$ 200,000	\$ 507,925
Community Development	\$ 700,000	\$ -
Industrial Sites and Parks	\$ -	\$ 308,748
Other Facilities	\$ 200,000	\$ -
Storm Water	\$ 150,000	\$ -
Fire Protection	\$ 50,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Housing	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 31,877,000	\$ 18,182,817



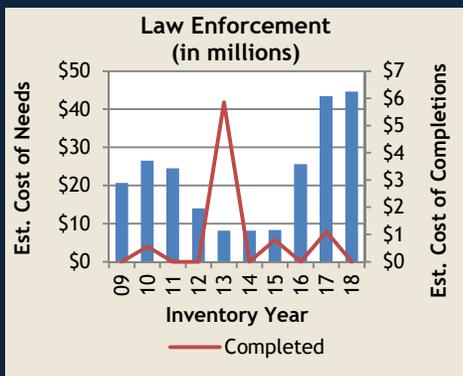
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Lauderdale County

Total Estimated Cost* for Infrastructure Improvements

\$448,905,316

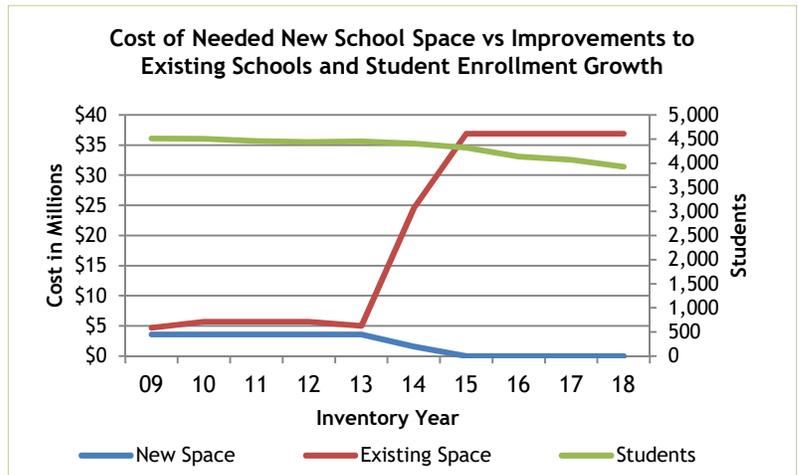
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Lauderdale County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 29,334,495	\$ 335,263,321
Law Enforcement	\$ 11,170,000	\$ 33,460,000
School Renovations	\$ 36,480,000	\$ 397,500
Housing	\$ 2,500,000	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ 300,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
Recreation	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Water and Wastewater	\$ -	\$ -
Total	\$ 79,484,495	\$ 369,420,821



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Lawrence County

Total Estimated Cost* for Infrastructure Improvements

\$65,477,954

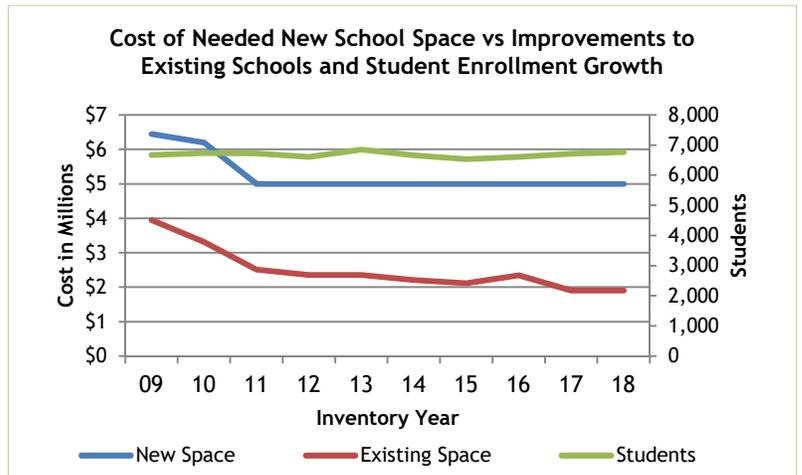
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Lawrence County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 21,264,000	\$ 12,462,105
Post-secondary Education	\$ -	\$ 10,000,000
Law Enforcement	\$ 9,480,000	\$ -
New Public Schools & Additions	\$ 5,000,000	\$ -
Recreation	\$ 3,070,000	\$ -
School Renovations	\$ 1,185,000	\$ 716,849
Water and Wastewater	\$ 1,000,000	\$ -
Fire Protection	\$ 850,000	\$ -
Solid Waste	\$ -	\$ 450,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 41,849,000	\$ 23,628,954



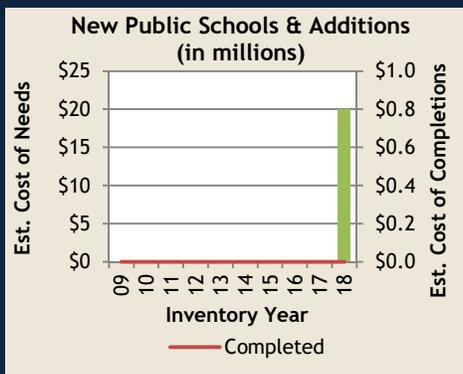
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Lewis County

Total Estimated Cost* for Infrastructure Improvements

\$56,091,188

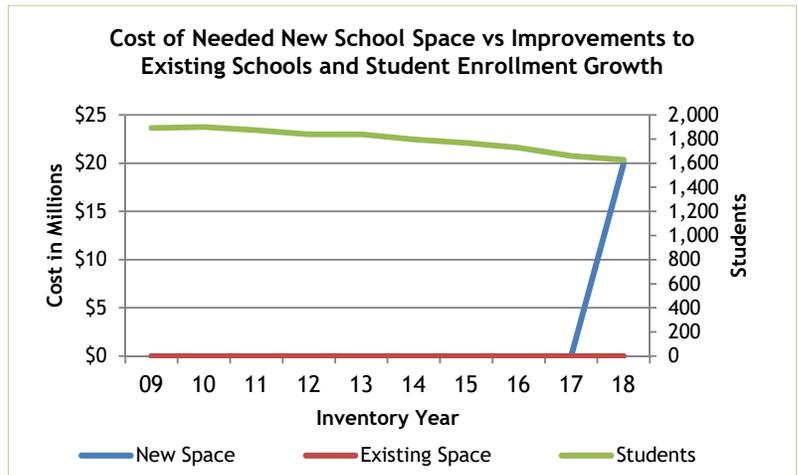
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Lewis County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 21,761,015	\$ 3,680,173
New Public Schools & Additions	\$ 20,000,000	\$ -
Law Enforcement	\$ 500,000	\$ 7,000,000
Recreation	\$ 1,500,000	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ 1,000,000
Community Development	\$ 400,000	\$ -
Industrial Sites and Parks	\$ 250,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School Renovations	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Water and Wastewater	\$ -	\$ -
Total	\$ 44,411,015	\$ 11,680,173



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Lincoln County

Total Estimated Cost* for Infrastructure Improvements
\$133,714,942

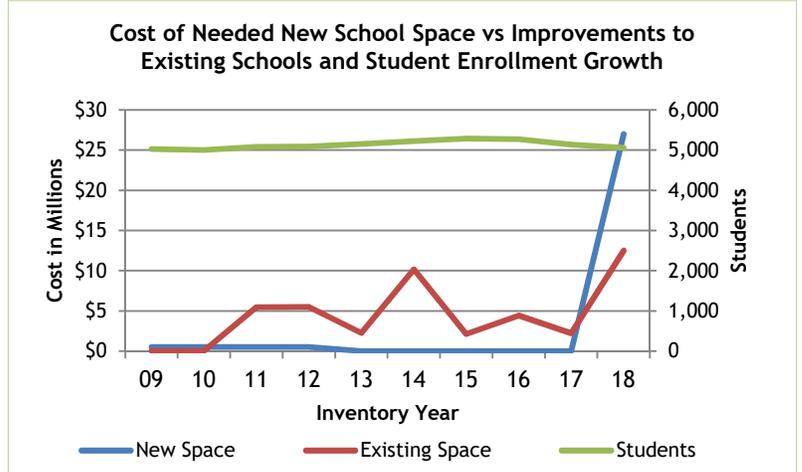
TOP 3



■ = Local
 ■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Lincoln County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 26,972,000	\$ 36,751,786
New Public Schools & Additions	\$ -	\$ 27,000,000
Water and Wastewater	\$ 14,300,000	\$ 790,800
School Renovations	\$ 12,203,000	\$ 310,000
Recreation	\$ 8,675,260	\$ 2,673,796
Libraries, Museums, & Historic Sites	\$ -	\$ 1,625,000
Storm Water	\$ 350,000	\$ 805,000
Post-secondary Education	\$ 610,000	\$ -
Industrial Sites and Parks	\$ -	\$ 398,300
Public Buildings	\$ -	\$ 250,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 63,110,260	\$ 70,604,682



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Loudon County

Total Estimated Cost* for Infrastructure Improvements

\$449,883,681

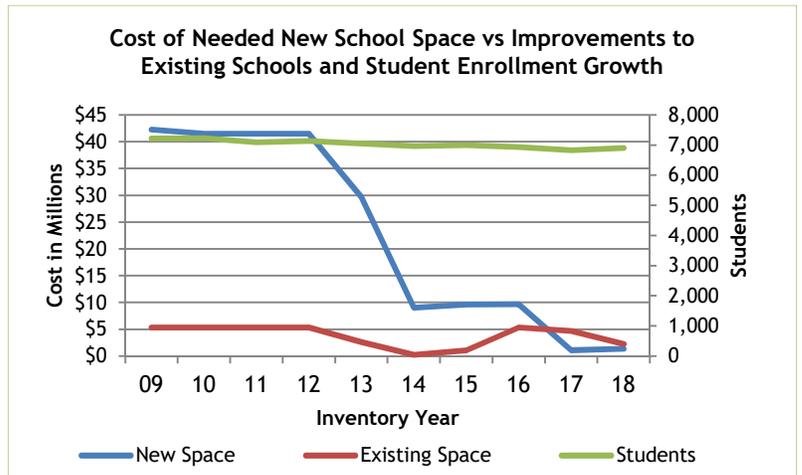
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Loudon County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 45,112,426	\$ 350,116,255
Law Enforcement	\$ -	\$ 18,750,000
Water and Wastewater	\$ 13,500,000	\$ 4,660,000
Public Buildings	\$ 500,000	\$ 5,000,000
Other Utilities	\$ 3,000,000	\$ 900,000
Recreation	\$ 3,000,000	\$ -
School Renovations	\$ 225,000	\$ 2,010,000
Industrial Sites and Parks	\$ 1,760,000	\$ -
New Public Schools & Additions	\$ 600,000	\$ 750,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 67,697,426	\$ 382,186,255



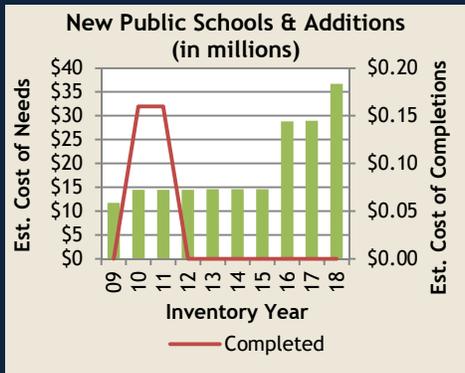
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Macon County

Total Estimated Cost* for Infrastructure Improvements

\$151,886,764

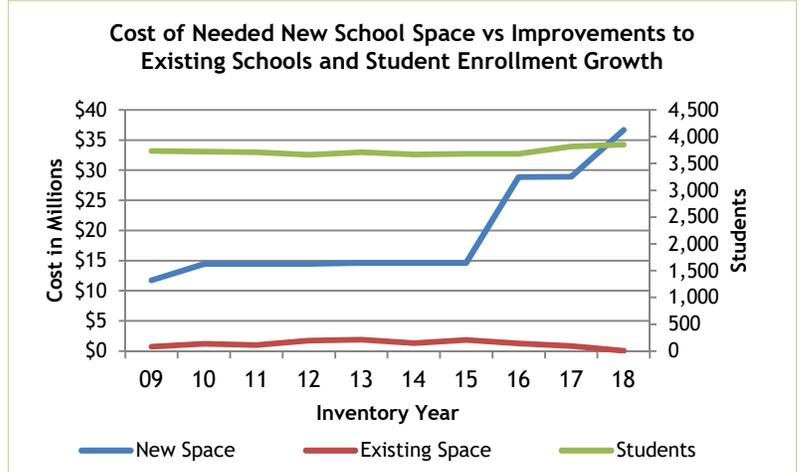
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Macon County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 35,864,000	\$ 40,757,764
New Public Schools & Additions	\$ 25,800,000	\$ 10,880,000
Water and Wastewater	\$ 12,000,000	\$ 5,525,000
Community Development	\$ 8,000,000	\$ -
Law Enforcement	\$ -	\$ 5,640,000
Recreation	\$ 3,060,000	\$ -
Post-secondary Education	\$ 3,000,000	\$ -
School-System-wide	\$ 500,000	\$ -
Solid Waste	\$ -	\$ 500,000
Public Health Facilities	\$ 300,000	\$ -
School Renovations	\$ -	\$ 60,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Buildings	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 88,524,000	\$ 63,362,764



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Madison County

Total Estimated Cost* for Infrastructure Improvements

\$778,608,814

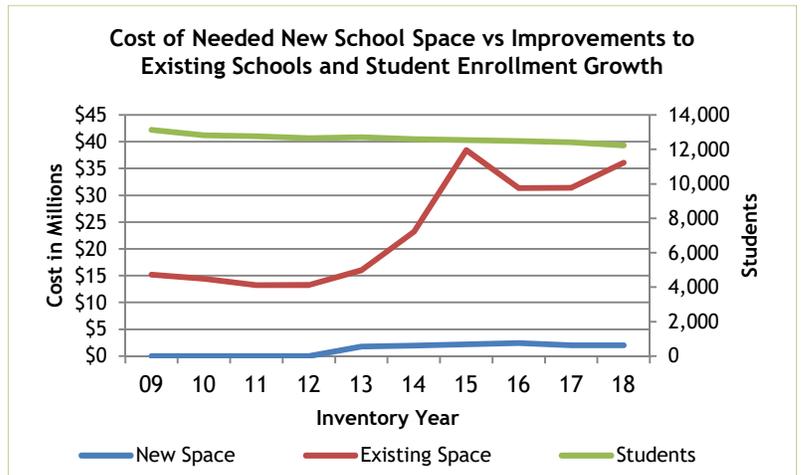
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Madison County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 137,406,000	\$ 449,842,396
Water and Wastewater	\$ 17,997,533	\$ 23,690,000
School Renovations	\$ 23,848,100	\$ 12,223,300
Law Enforcement	\$ -	\$ 34,480,000
Public Health Facilities	\$ 10,000,000	\$ 22,260,000
Post-secondary Education	\$ 21,350,000	\$ 6,628,485
Public Buildings	\$ 4,210,000	\$ 6,323,000
Other Education	\$ 4,740,000	\$ -
New Public Schools & Additions	\$ 1,950,000	\$ 75,000
Industrial Sites and Parks	\$ -	\$ 1,000,000
Recreation	\$ 585,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 222,086,633	\$ 556,522,181



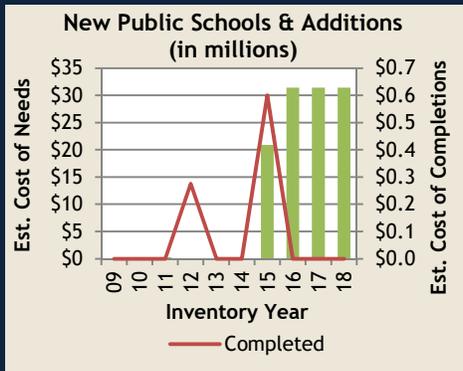
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Marion County

Total Estimated Cost* for Infrastructure Improvements

\$248,785,376

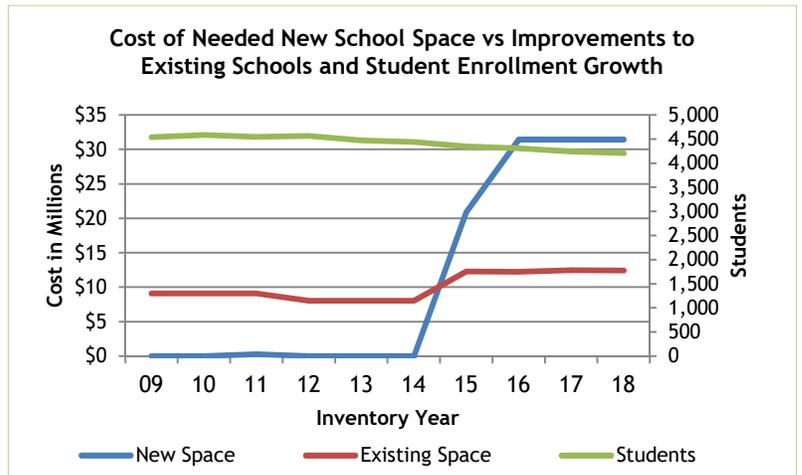
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Marion County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 147,317,000	\$ 40,016,779
New Public Schools & Additions	\$ 31,427,460	\$ -
School Renovations	\$ 10,248,225	\$ 2,165,000
Water and Wastewater	\$ 3,969,200	\$ 708,000
Industrial Sites and Parks	\$ 2,150,000	\$ 2,100,000
Post-secondary Education	\$ -	\$ 3,485,300
Recreation	\$ 2,170,000	\$ 419,205
Public Buildings	\$ 1,000,000	\$ 309,207
Housing	\$ -	\$ 500,000
Libraries, Museums, & Historic Sites	\$ 500,000	\$ -
Community Development	\$ 250,000	\$ -
Storm Water	\$ -	\$ 50,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 199,031,885	\$ 49,753,491



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Marshall County

Total Estimated Cost* for Infrastructure Improvements

\$127,048,516

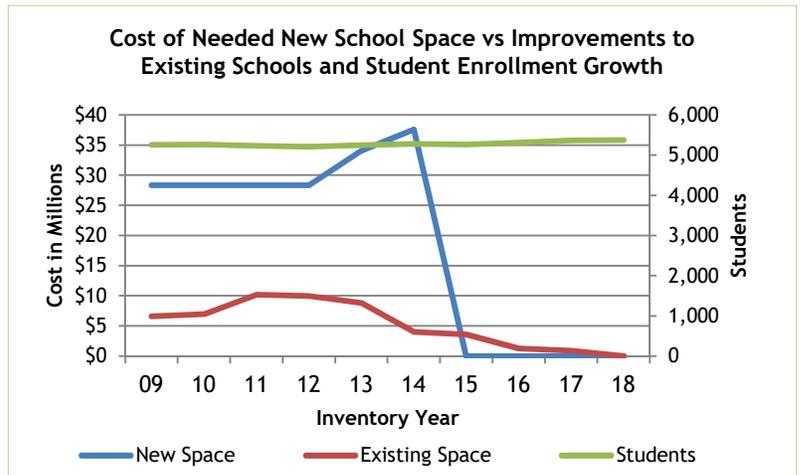
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Marshall County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 33,053,000	\$ 56,768,831
Recreation	\$ -	\$ 27,100,000
Water and Wastewater	\$ -	\$ 5,967,594
Public Health Facilities	\$ -	\$ 1,800,000
Libraries, Museums, & Historic Sites	\$ 1,500,000	\$ -
Fire Protection	\$ -	\$ 800,000
Public Buildings	\$ -	\$ 59,091
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Law Enforcement	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
School Renovations	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 34,553,000	\$ 92,495,516



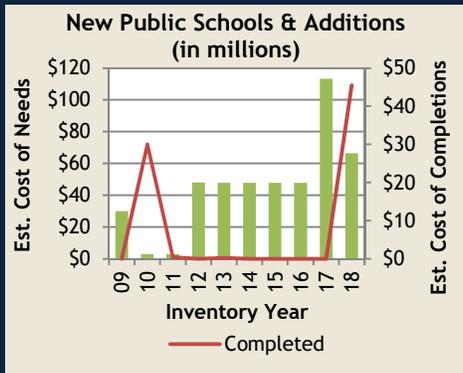
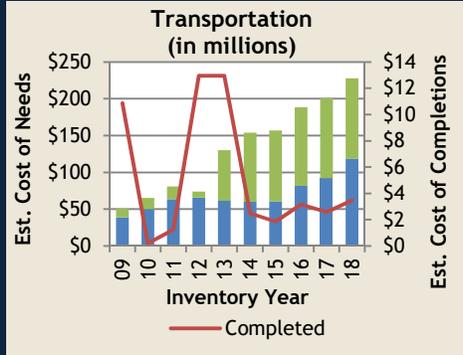
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Maury County

Total Estimated Cost* for Infrastructure Improvements

\$422,694,580

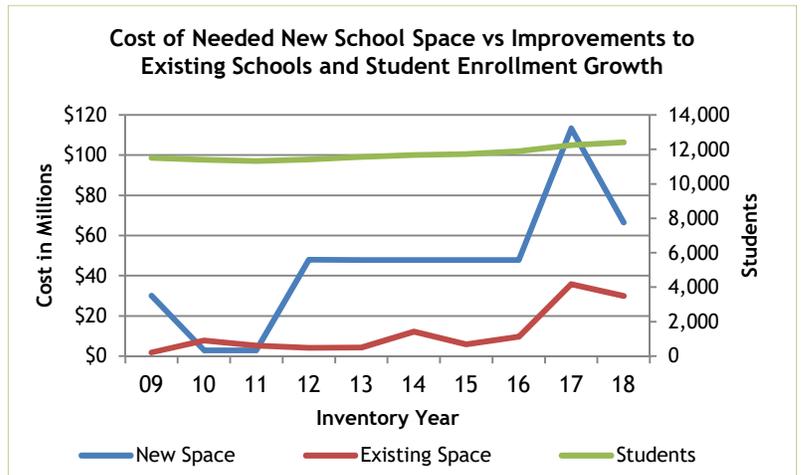
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Maury County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 110,699,000	\$ 117,095,339
New Public Schools & Additions	\$ -	\$ 66,486,000
Law Enforcement	\$ 560,000	\$ 33,919,676
School Renovations	\$ 20,100,000	\$ 9,854,565
Water and Wastewater	\$ 19,370,000	\$ 1,625,000
Post-secondary Education	\$ 220,000	\$ 11,750,000
Public Health Facilities	\$ -	\$ 11,750,000
Recreation	\$ 11,740,000	\$ -
Public Buildings	\$ 2,650,000	\$ 2,500,000
Fire Protection	\$ 1,500,000	\$ 200,000
Solid Waste	\$ -	\$ 500,000
Libraries, Museums, & Historic Sites	\$ -	\$ 175,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 166,839,000	\$ 255,855,580



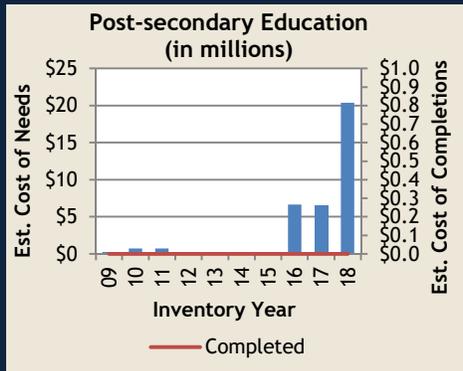
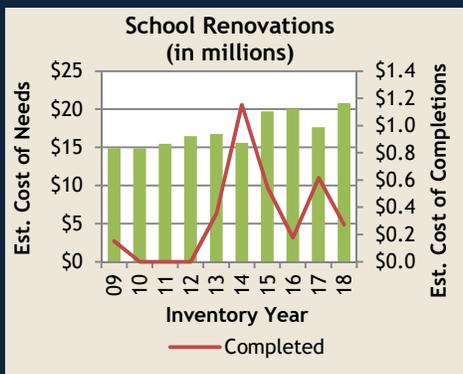
*Total Estimated Cost = Conceptual + Planning & Design + Construction

McMinn County

Total Estimated Cost* for Infrastructure Improvements

\$168,341,916

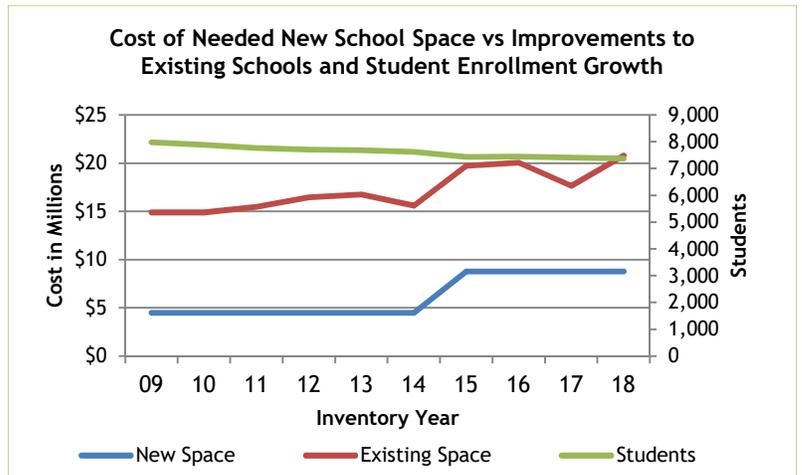
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for McMinn County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 30,778,000	\$ 41,388,114
School Renovations	\$ 15,196,140	\$ 5,602,000
Post-secondary Education	\$ 13,860,000	\$ 6,500,000
Storm Water	\$ 10,000,000	\$ -
New Public Schools & Additions	\$ 3,280,000	\$ 5,500,000
Broadband	\$ 6,500,000	\$ -
Recreation	\$ 3,050,000	\$ 3,160,000
Business District Development	\$ 6,000,000	\$ -
Water and Wastewater	\$ 1,974,000	\$ 2,759,322
Community Development	\$ 4,000,000	\$ 443,340
Fire Protection	\$ 4,000,000	\$ -
Industrial Sites and Parks	\$ 2,000,000	\$ 1,001,000
Other Utilities	\$ 1,000,000	\$ -
Law Enforcement	\$ 200,000	\$ -
Libraries, Museums, & Historic Sites	\$ 100,000	\$ -
Public Buildings	\$ -	\$ 50,000
Housing	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 101,938,140	\$ 66,403,776



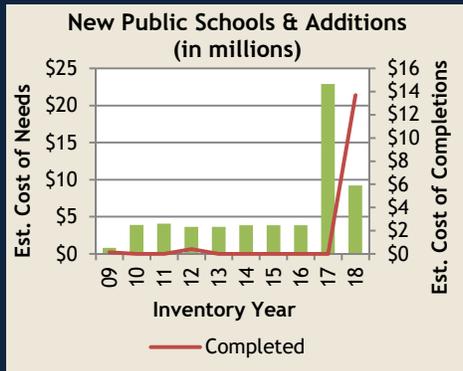
*Total Estimated Cost = Conceptual + Planning & Design + Construction

McNairy County

Total Estimated Cost* for Infrastructure Improvements

\$78,204,243

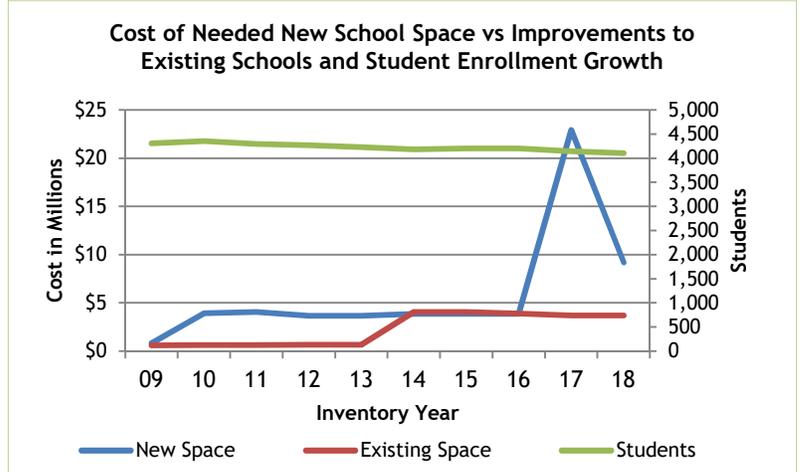
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for McNairy County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 25,304,000	\$ 16,243,456
Water and Wastewater	\$ 9,720,000	\$ 8,307,887
New Public Schools & Additions	\$ 4,215,000	\$ 5,000,000
School Renovations	\$ 3,602,900	\$ 101,000
Public Buildings	\$ 1,800,000	\$ -
Other Utilities	\$ 1,500,000	\$ -
Recreation	\$ 1,330,000	\$ -
Storm Water	\$ 800,000	\$ -
Libraries, Museums, & Historic Sites	\$ 200,000	\$ -
Fire Protection	\$ 80,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 48,551,900	\$ 29,652,343



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Meigs County

Total Estimated Cost* for Infrastructure Improvements

\$19,849,900

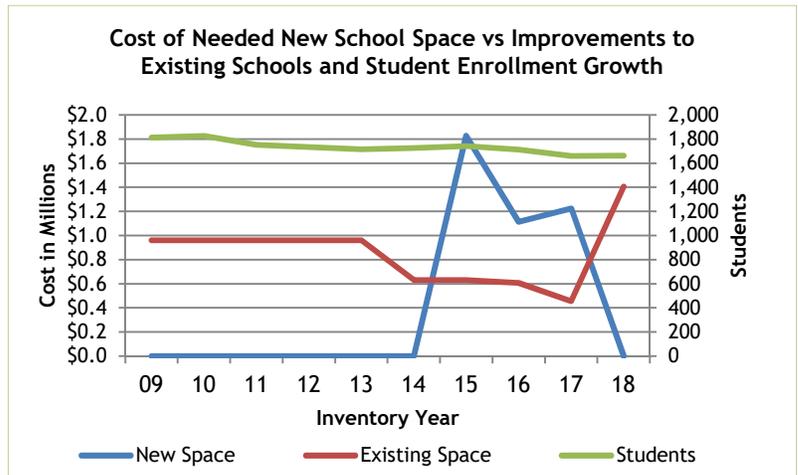
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Meigs County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 8,795,000	\$ 2,103,800
Water and Wastewater	\$ 5,000,000	\$ 1,795,100
School Renovations	\$ 1,406,000	\$ -
Other Facilities	\$ 250,000	\$ 300,000
School-System-wide	\$ 150,000	\$ -
Fire Protection	\$ 50,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
Recreation	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 15,651,000	\$ 4,198,900



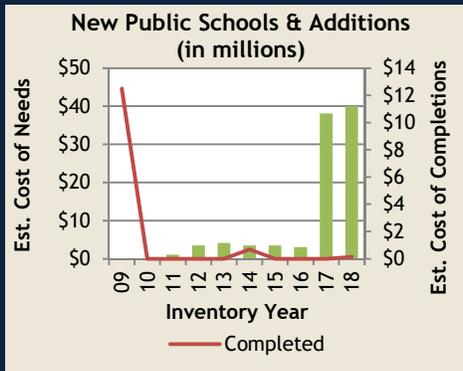
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Monroe County

Total Estimated Cost* for Infrastructure Improvements

\$166,946,536

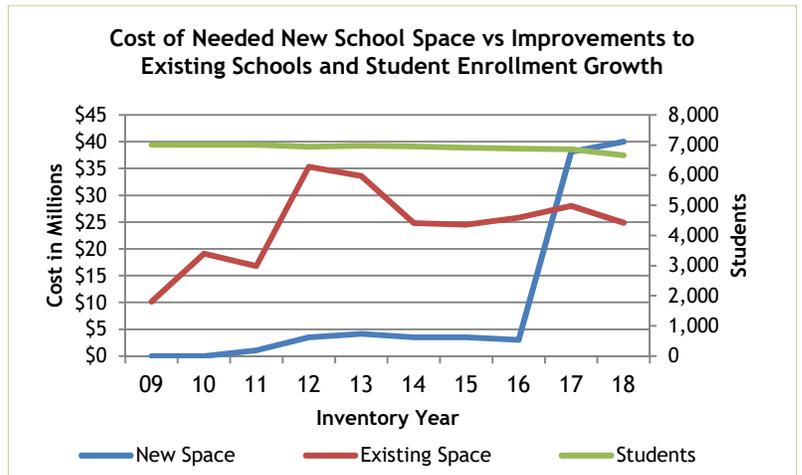
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Monroe County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 10,879,000	\$ 42,459,022
New Public Schools & Additions	\$ 9,020,000	\$ 31,000,000
Law Enforcement	\$ 30,075,000	\$ 300,000
School Renovations	\$ 20,706,853	\$ 4,155,000
Water and Wastewater	\$ 8,418,513	\$ 1,233,148
Public Buildings	\$ 2,570,000	\$ 500,000
Industrial Sites and Parks	\$ -	\$ 1,855,000
Recreation	\$ 1,000,000	\$ 700,000
Libraries, Museums, & Historic Sites	\$ 1,500,000	\$ -
Fire Protection	\$ -	\$ 500,000
Other Facilities	\$ 75,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 84,244,366	\$ 82,702,170



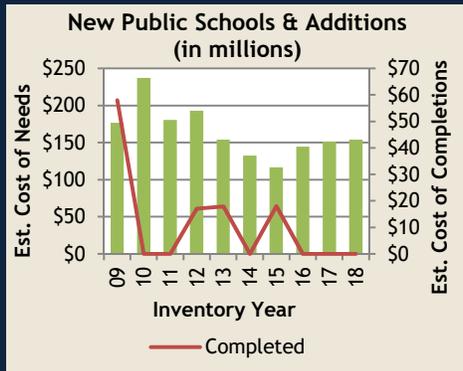
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Montgomery County

Total Estimated Cost* for Infrastructure Improvements

\$1,667,994,179

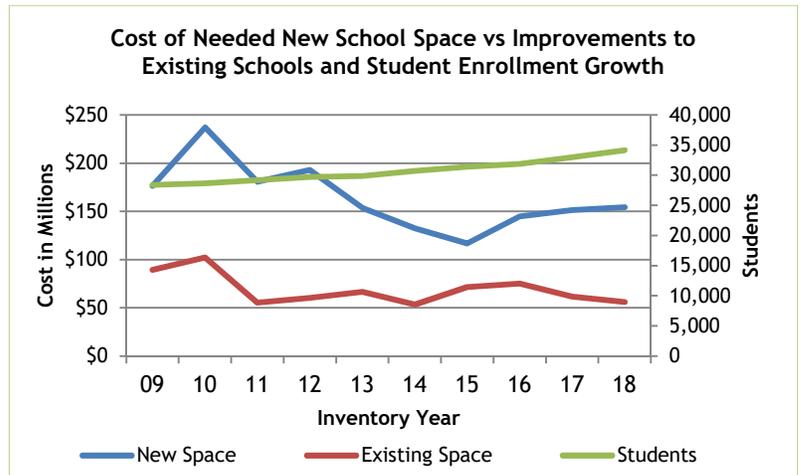
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Montgomery County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 124,733,638	\$ 757,715,435
Recreation	\$ 67,473,000	\$ 105,474,005
New Public Schools & Additions	\$ 75,100,000	\$ 79,100,000
Post-secondary Education	\$ 79,970,000	\$ 44,703,700
Water and Wastewater	\$ 7,722,000	\$ 102,780,000
Other Utilities	\$ 12,500,000	\$ 44,525,000
School Renovations	\$ 49,385,915	\$ 6,503,000
Community Development	\$ -	\$ 45,360,046
Law Enforcement	\$ 29,970,000	\$ -
Libraries, Museums, & Historic Sites	\$ 12,000,000	\$ -
Fire Protection	\$ 7,150,000	\$ 3,625,000
Public Health Facilities	\$ 3,180,000	\$ 4,023,440
Public Buildings	\$ 4,500,000	\$ -
Other Facilities	\$ -	\$ 500,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Other Education	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 473,684,553	\$ 1,194,309,626



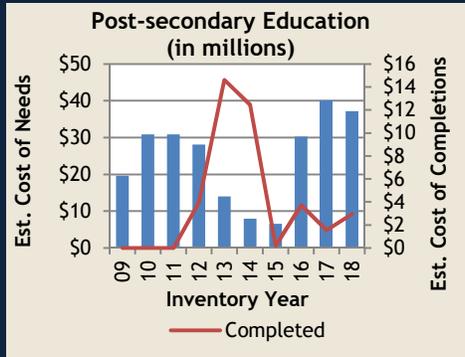
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Moore County

Total Estimated Cost* for Infrastructure Improvements

\$84,928,095

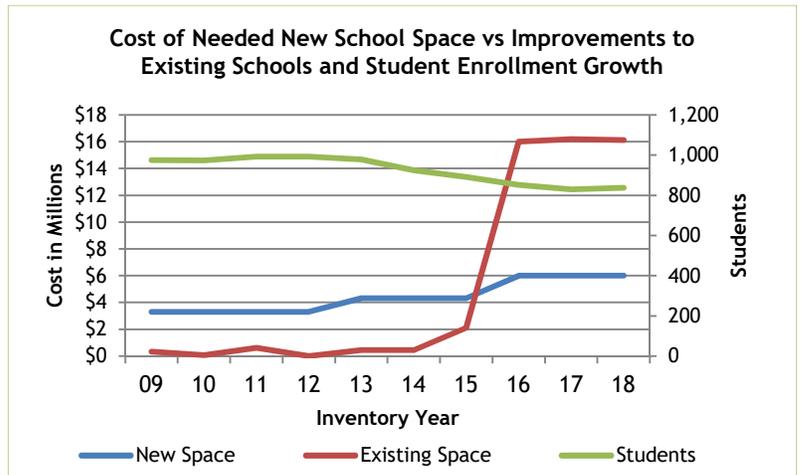
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Moore County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Post-secondary Education	\$ -	\$ 37,161,095
School Renovations	\$ 2,800,000	\$ 13,315,000
Transportation	\$ 5,697,000	\$ 8,705,000
Water and Wastewater	\$ -	\$ 10,500,000
New Public Schools & Additions	\$ -	\$ 6,000,000
Public Buildings	\$ 750,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
Recreation	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 9,247,000	\$ 75,681,095



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Morgan County

Total Estimated Cost* for Infrastructure Improvements

\$295,459,849

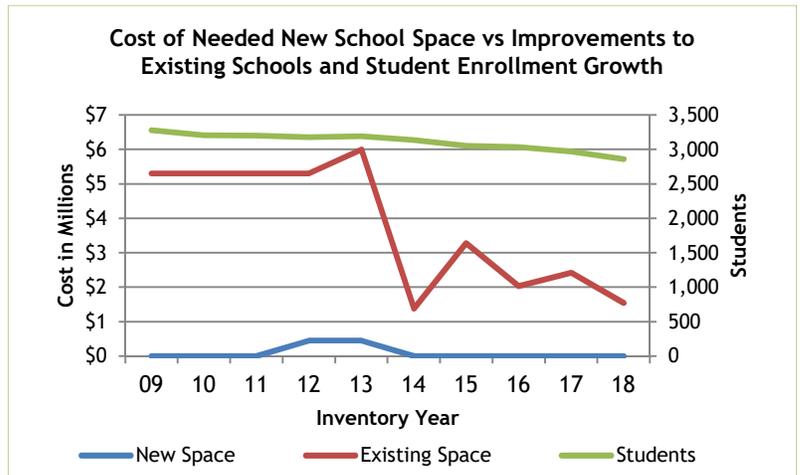
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Morgan County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 19,046,950	\$ 263,868,096
Recreation	\$ 3,144,000	\$ 1,450,000
Law Enforcement	\$ -	\$ 3,700,000
Water and Wastewater	\$ 730,880	\$ 1,976,923
School Renovations	\$ -	\$ 1,543,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 22,921,830	\$ 272,538,019

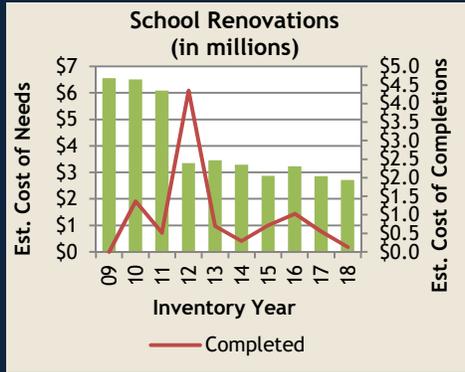
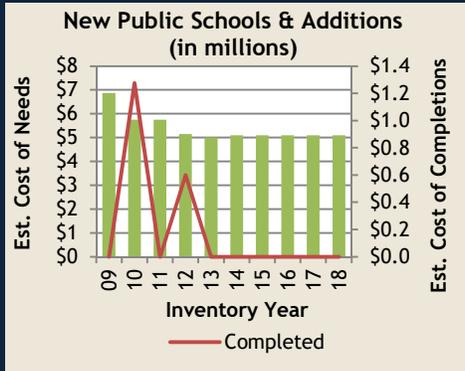
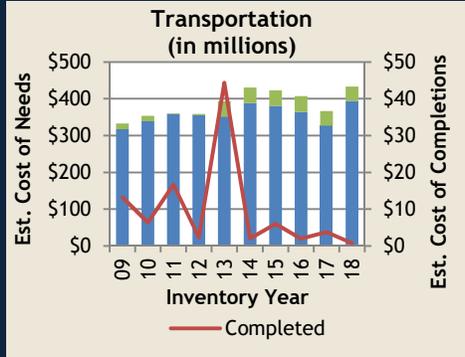


*Total Estimated Cost = Conceptual + Planning & Design + Construction

Obion County

Total Estimated Cost* for Infrastructure Improvements
\$448,990,447

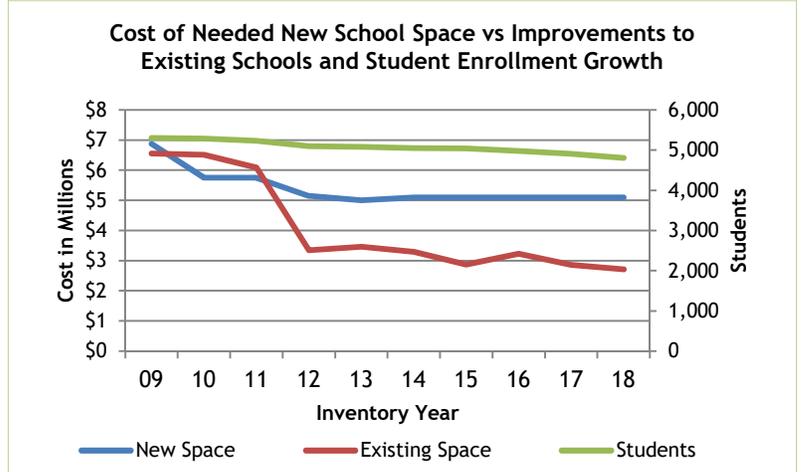
TOP 3



■ = Local
 ■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Obion County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 67,995,219	\$ 365,579,020
New Public Schools & Additions	\$ 4,999,000	\$ 100,000
School Renovations	\$ 2,461,208	\$ 250,000
Water and Wastewater	\$ 700,000	\$ 2,004,000
Recreation	\$ 50,000	\$ 2,000,000
Law Enforcement	\$ -	\$ 1,200,000
Industrial Sites and Parks	\$ 500,000	\$ 500,000
Public Buildings	\$ 200,000	\$ -
Storm Water	\$ 200,000	\$ -
School-System-wide	\$ 192,000	\$ -
Fire Protection	\$ 60,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 77,357,427	\$ 371,633,020



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Overton County

Total Estimated Cost* for Infrastructure Improvements

\$78,799,715

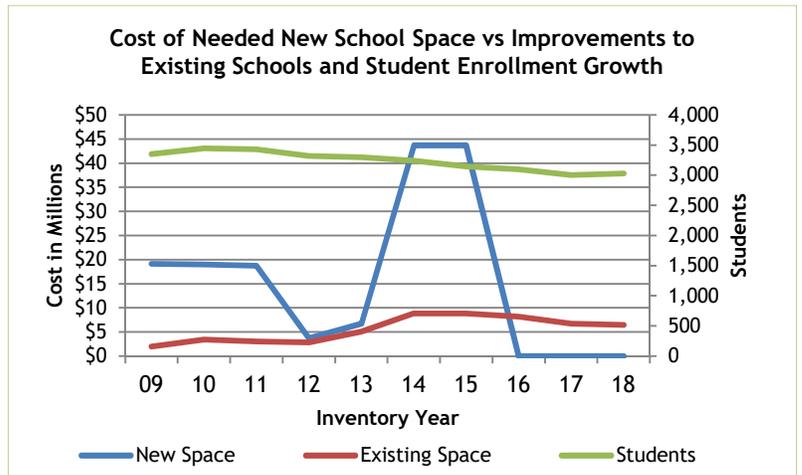
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Overton County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 9,325,000	\$ 41,006,715
Public Health Facilities	\$ -	\$ 6,900,000
Recreation	\$ 4,000,000	\$ 2,630,000
School Renovations	\$ 4,538,000	\$ 1,930,000
Water and Wastewater	\$ 1,800,000	\$ 4,200,000
Public Buildings	\$ 1,840,000	\$ 320,000
Law Enforcement	\$ -	\$ 200,000
School-System-wide	\$ 110,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 21,613,000	\$ 57,186,715



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Perry County

Total Estimated Cost* for Infrastructure Improvements
\$77,791,015

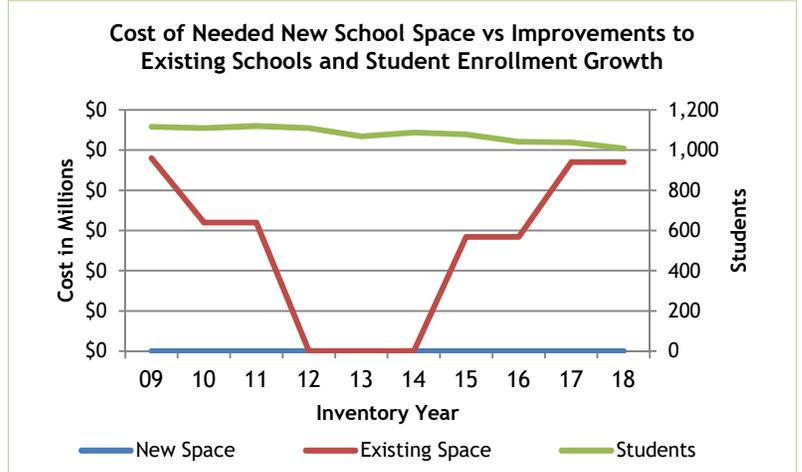
TOP 3



■ = Local
 ■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Perry County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 30,594,000	\$ 46,962,015
School Renovations	\$ -	\$ 235,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
Recreation	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Water and Wastewater	\$ -	\$ -
Total	\$ 30,594,000	\$ 47,197,015



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Pickett County

Total Estimated Cost* for Infrastructure Improvements

\$26,507,567

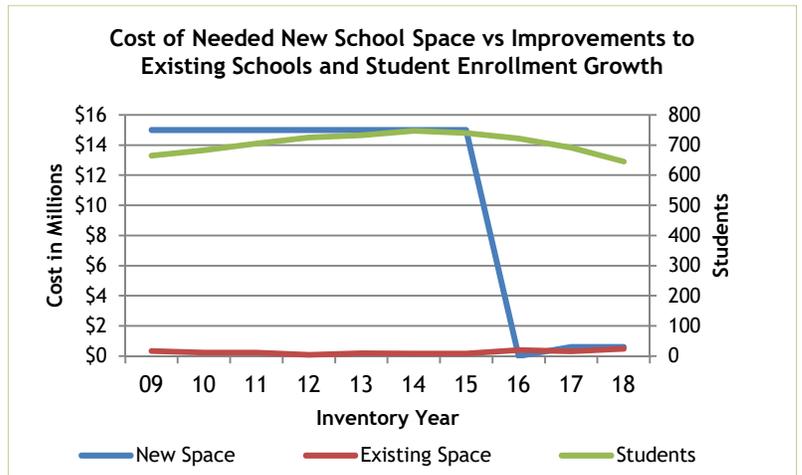
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Pickett County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Recreation	\$ 6,140,000	\$ -
Housing	\$ 5,000,000	\$ -
Law Enforcement	\$ -	\$ 5,000,000
Libraries, Museums, & Historic Sites	\$ 3,150,000	\$ -
Transportation	\$ 1,789,000	\$ 952,880
Industrial Sites and Parks	\$ 350,000	\$ 1,500,000
Solid Waste	\$ -	\$ 1,345,687
New Public Schools & Additions	\$ 600,000	\$ -
School Renovations	\$ 285,000	\$ 200,000
School-System-wide	\$ 100,000	\$ -
Fire Protection	\$ -	\$ 95,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
Storm Water	\$ -	\$ -
Water and Wastewater	\$ -	\$ -
Total	\$ 17,414,000	\$ 9,093,567



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Polk County

Total Estimated Cost* for Infrastructure Improvements

\$292,103,721

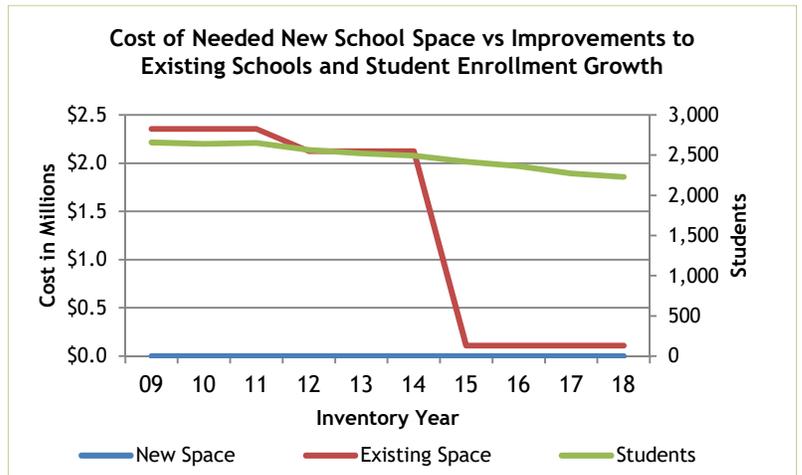
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Polk County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 25,092,629	\$ 247,879,023
Water and Wastewater	\$ 8,950,000	\$ 3,890,508
Recreation	\$ 4,420,000	\$ -
Community Development	\$ -	\$ 801,715
Public Health Facilities	\$ -	\$ 403,846
Public Buildings	\$ 300,000	\$ -
Industrial Sites and Parks	\$ 256,000	\$ -
School Renovations	\$ 110,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 39,128,629	\$ 252,975,092



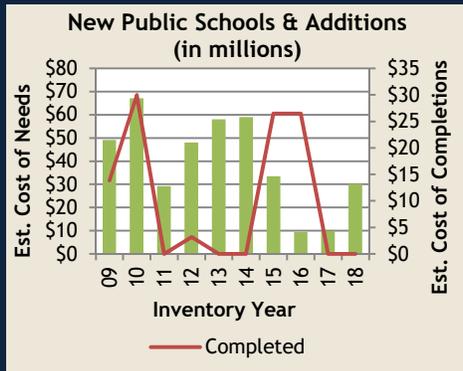
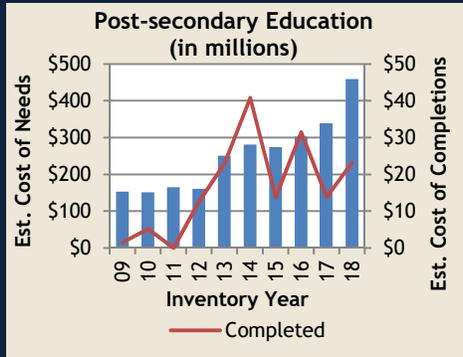
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Putnam County

Total Estimated Cost* for Infrastructure Improvements

\$677,230,326

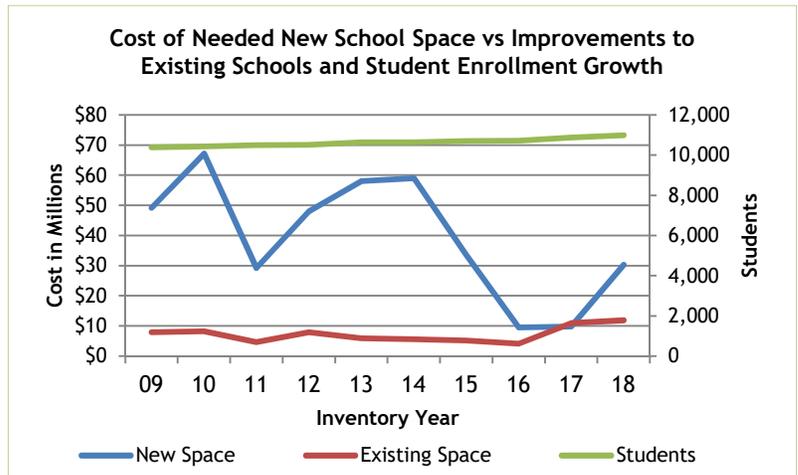
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Putnam County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Post-secondary Education	\$ 194,500,000	\$ 264,700,392
Transportation	\$ 59,149,000	\$ 61,610,621
New Public Schools & Additions	\$ 25,230,000	\$ 5,000,000
Law Enforcement	\$ 8,960,000	\$ 20,000,000
School Renovations	\$ 9,800,000	\$ 2,077,000
Water and Wastewater	\$ 1,529,000	\$ 9,949,313
Other Facilities	\$ 6,220,000	\$ -
Recreation	\$ 5,780,000	\$ -
Public Buildings	\$ 2,000,000	\$ -
Fire Protection	\$ -	\$ 475,000
School-System-wide	\$ 250,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 313,418,000	\$ 363,812,326

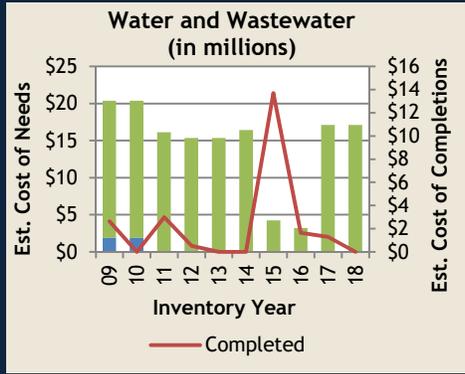
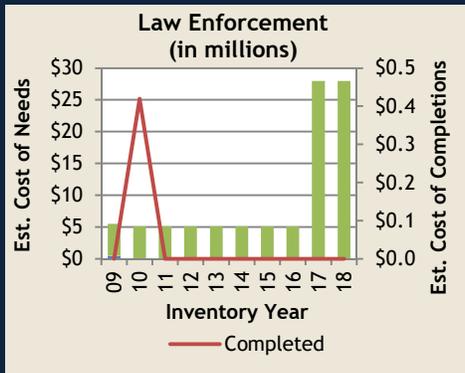


*Total Estimated Cost = Conceptual + Planning & Design + Construction

Rhea County

Total Estimated Cost* for Infrastructure Improvements
\$166,511,025

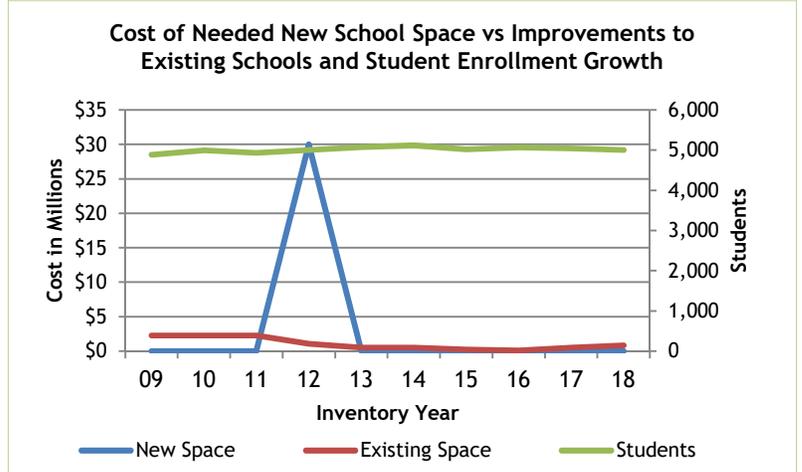
TOP 3



■ = Local
 ■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Rhea County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 47,017,105	\$ 58,809,563
Law Enforcement	\$ 28,000,000	\$ -
Water and Wastewater	\$ 278,571	\$ 16,842,000
Industrial Sites and Parks	\$ 1,500,000	\$ 6,000,000
Public Buildings	\$ 3,490,000	\$ 250,000
Recreation	\$ 1,250,000	\$ 1,163,786
Storm Water	\$ 1,100,000	\$ -
School Renovations	\$ 810,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 83,445,676	\$ 83,065,349



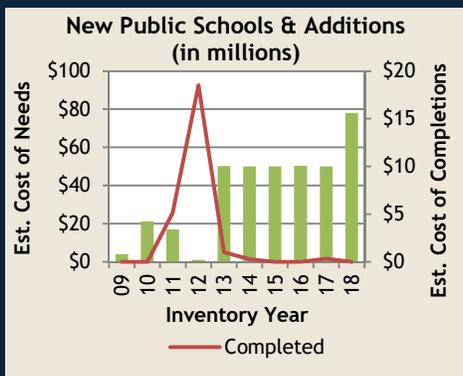
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Roane County

Total Estimated Cost* for Infrastructure Improvements

\$398,690,488

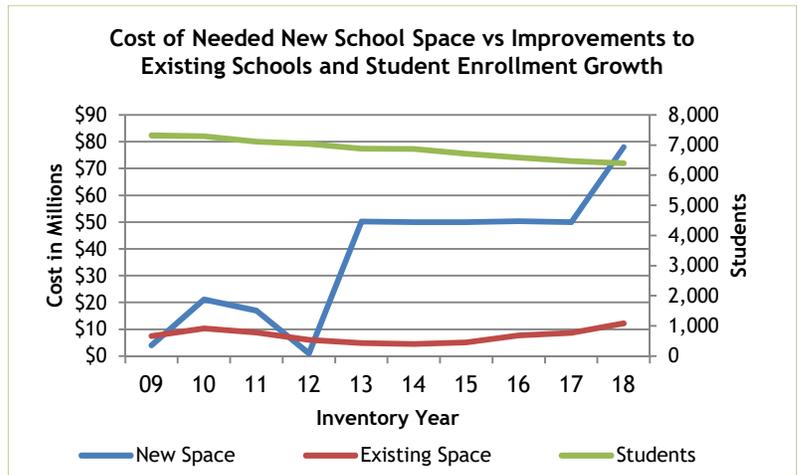
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Roane County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 40,345,000	\$ 148,349,278
New Public Schools & Additions	\$ 78,000,000	\$ -
Law Enforcement	\$ 30,000,000	\$ -
Recreation	\$ 13,480,000	\$ 9,454,097
Water and Wastewater	\$ 5,000,000	\$ 7,519,000
School Renovations	\$ 8,700,000	\$ 3,507,728
Other Facilities	\$ -	\$ 11,400,000
Other Utilities	\$ -	\$ 10,200,000
Community Development	\$ 10,000,000	\$ -
Industrial Sites and Parks	\$ 6,100,000	\$ -
Post-secondary Education	\$ 320,000	\$ 4,915,385
Storm Water	\$ 5,000,000	\$ -
Public Buildings	\$ 3,300,000	\$ 1,000,000
Fire Protection	\$ 1,600,000	\$ -
Solid Waste	\$ -	\$ 300,000
Business District Development	\$ -	\$ 200,000
Broadband	\$ -	\$ -
Housing	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Total	\$ 201,845,000	\$ 196,845,488



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Robertson County

Total Estimated Cost* for Infrastructure Improvements

\$639,489,030

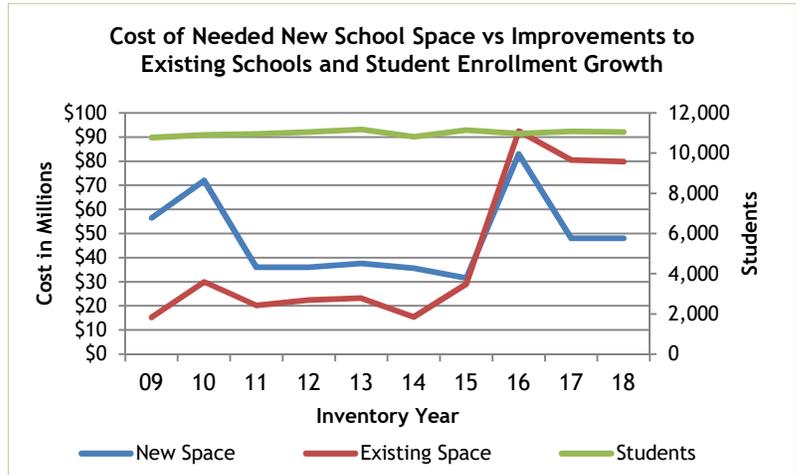
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Robertson County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 42,475,000	\$ 341,922,499
Water and Wastewater	\$ 29,800,000	\$ 79,601,000
School Renovations	\$ 31,839,000	\$ 47,905,200
New Public Schools & Additions	\$ 13,000,000	\$ 35,000,000
Recreation	\$ 1,677,600	\$ 4,053,731
Community Development	\$ 300,000	\$ 5,000,000
Fire Protection	\$ 3,050,000	\$ -
Other Utilities	\$ 400,000	\$ 1,340,000
Storm Water	\$ -	\$ 1,225,000
Law Enforcement	\$ -	\$ 900,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 122,541,600	\$ 516,947,430



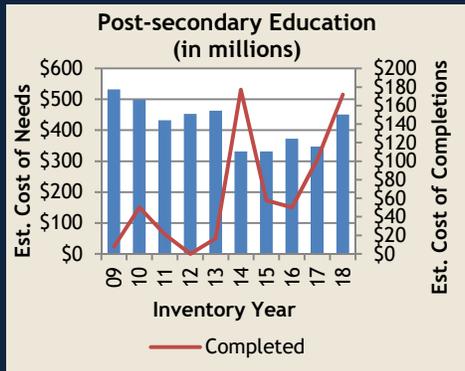
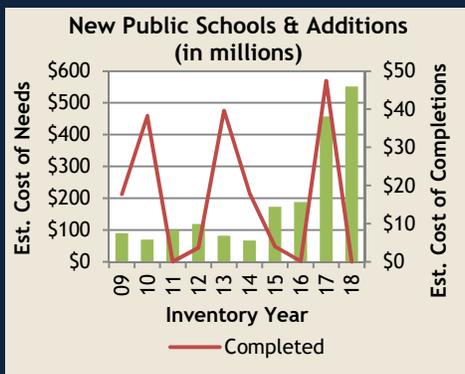
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Rutherford County

Total Estimated Cost* for Infrastructure Improvements

\$1,992,320,607

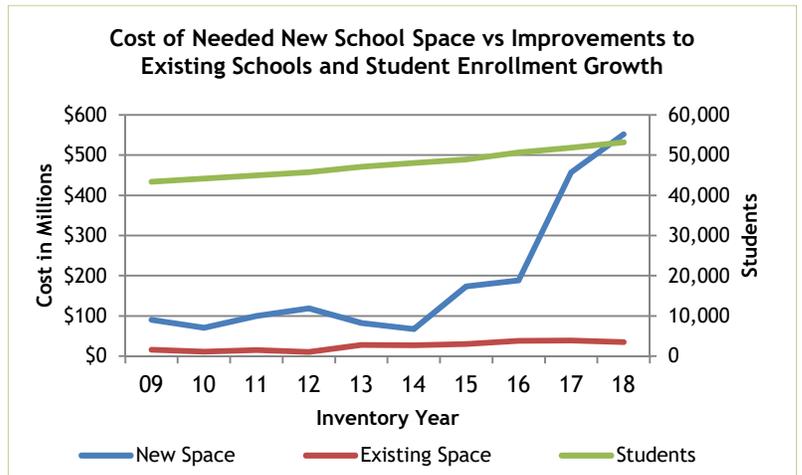
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Rutherford County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 139,046,000	\$ 516,060,067
New Public Schools & Additions	\$ 319,435,750	\$ 232,447,676
Post-secondary Education	\$ 261,685,000	\$ 189,559,362
Water and Wastewater	\$ 42,250,000	\$ 121,166,000
Recreation	\$ 3,820,000	\$ 65,648,566
School Renovations	\$ 2,375,000	\$ 32,514,186
Public Health Facilities	\$ 25,628,000	\$ 1,210,000
Fire Protection	\$ 8,200,000	\$ 12,900,000
Law Enforcement	\$ -	\$ 11,650,000
School-System-wide	\$ -	\$ 2,500,000
Other Facilities	\$ -	\$ 1,400,000
Other Utilities	\$ -	\$ 1,225,000
Public Buildings	\$ -	\$ 1,200,000
Solid Waste	\$ -	\$ 400,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 802,439,750	\$ 1,189,880,857



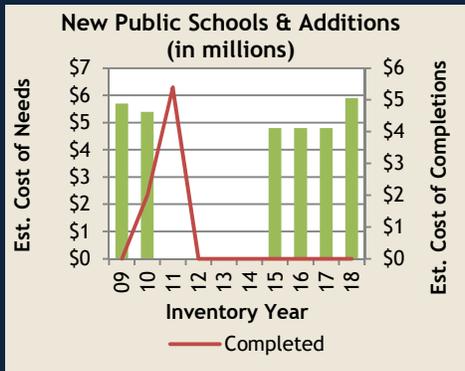
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Scott County

Total Estimated Cost* for Infrastructure Improvements

\$115,152,830

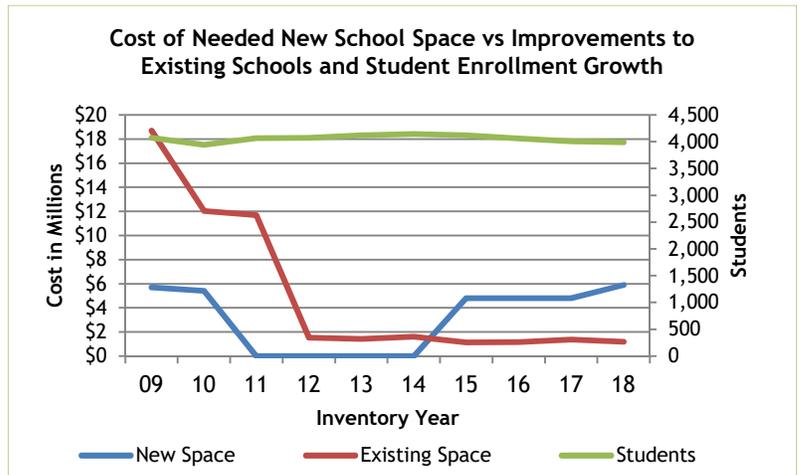
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Scott County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 34,098,000	\$ 68,460,830
New Public Schools & Additions	\$ 5,800,000	\$ 100,000
Water and Wastewater	\$ -	\$ 4,075,000
School Renovations	\$ 1,137,000	\$ 60,000
Recreation	\$ -	\$ 500,000
Solid Waste	\$ 500,000	\$ -
Post-secondary Education	\$ 200,000	\$ 222,000
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 41,735,000	\$ 73,417,830



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Sequatchie County

Total Estimated Cost* for Infrastructure Improvements

\$50,610,128

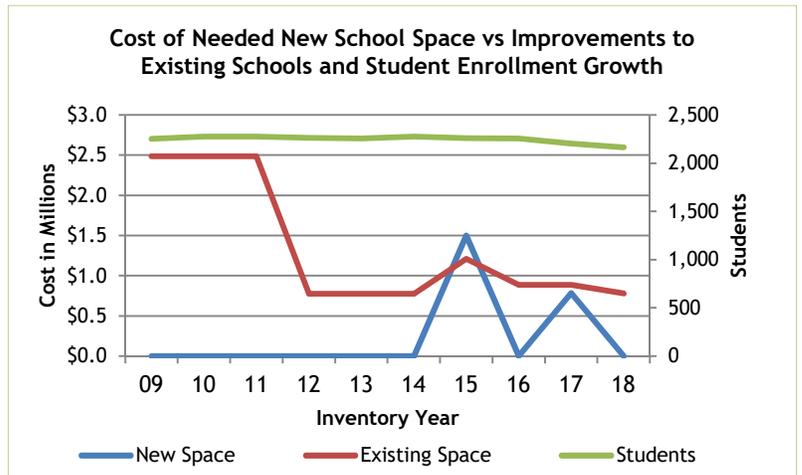
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Sequatchie County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Public Health Facilities	\$ 32,600,000	\$ -
Transportation	\$ 11,542,000	\$ 1,366,366
Recreation	\$ -	\$ 1,738,926
Water and Wastewater	\$ 1,500,000	\$ -
School Renovations	\$ 400,000	\$ 380,000
School-System-wide	\$ 600,000	\$ -
Industrial Sites and Parks	\$ -	\$ 482,836
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 46,642,000	\$ 3,968,128



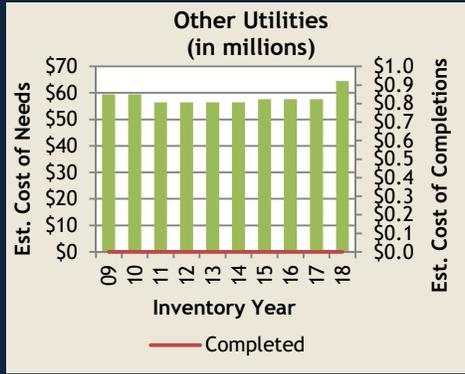
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Sevier County

Total Estimated Cost* for Infrastructure Improvements

\$607,921,332

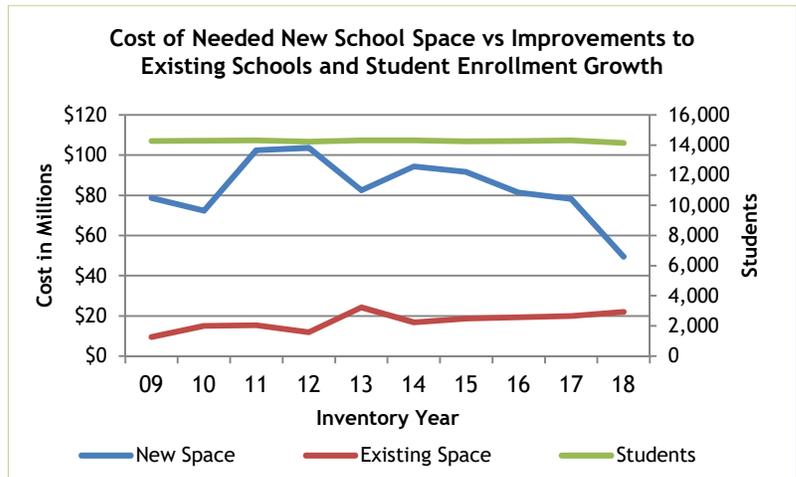
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Sevier County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 54,565,000	\$ 229,956,900
Water and Wastewater	\$ 16,192,504	\$ 61,905,000
Other Utilities	\$ -	\$ 64,522,750
New Public Schools & Additions	\$ 23,025,000	\$ 26,409,243
Business District Development	\$ -	\$ 30,000,000
Recreation	\$ 1,570,000	\$ 23,137,462
School Renovations	\$ 11,250,529	\$ 10,682,944
Public Buildings	\$ 16,000,000	\$ -
Post-secondary Education	\$ -	\$ 12,500,000
Fire Protection	\$ 4,870,000	\$ 6,000,000
Industrial Sites and Parks	\$ -	\$ 10,000,000
Community Development	\$ 445,000	\$ 4,000,000
Other Facilities	\$ 584,000	\$ -
Storm Water	\$ -	\$ 250,000
Law Enforcement	\$ 55,000	\$ -
Broadband	\$ -	\$ -
Housing	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 128,557,033	\$ 479,364,299



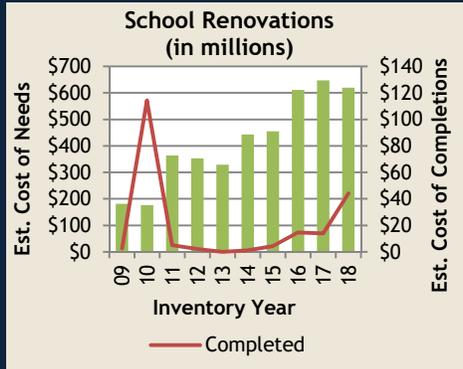
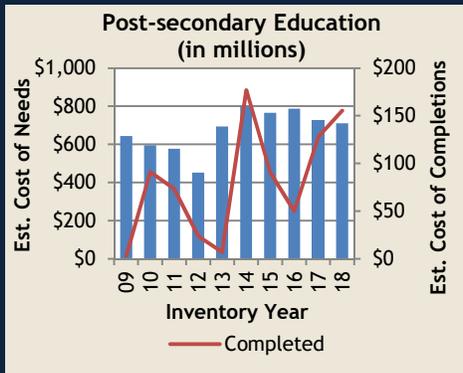
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Shelby County

Total Estimated Cost* for Infrastructure Improvements

\$5,625,770,640

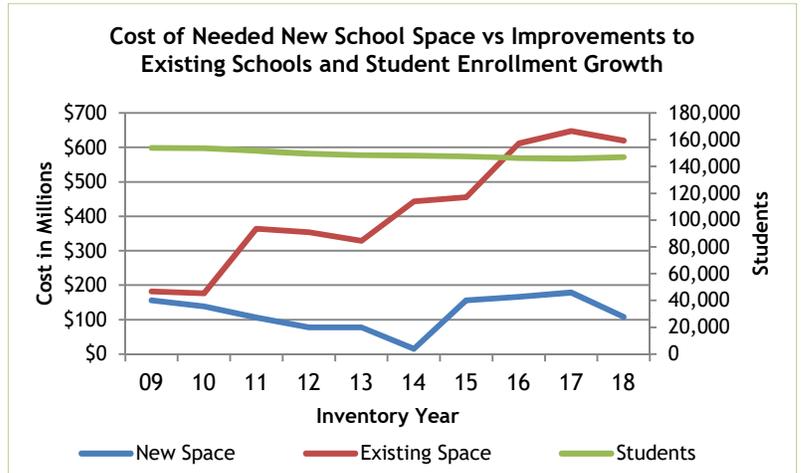
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Shelby County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 912,500,912	\$ 2,124,769,602
Post-secondary Education	\$ 221,370,000	\$ 488,632,671
School Renovations	\$ 415,377,066	\$ 204,477,295
Water and Wastewater	\$ 50,425,000	\$ 380,849,962
Housing	\$ 171,019,000	\$ -
Recreation	\$ 13,055,000	\$ 154,414,332
Law Enforcement	\$ 77,775,800	\$ 41,652,000
Public Health Facilities	\$ 118,600,000	\$ -
New Public Schools & Additions	\$ 38,829,000	\$ 68,698,884
Fire Protection	\$ 25,093,189	\$ 18,134,038
Libraries, Museums, & Historic Sites	\$ 11,868,000	\$ 26,667,019
Public Buildings	\$ 10,580,000	\$ 10,500,000
Other Facilities	\$ 9,630,000	\$ 5,243,834
Solid Waste	\$ -	\$ 8,000,000
Business District Development	\$ 250,000	\$ 6,865,536
Community Development	\$ 3,158,500	\$ 2,550,000
Storm Water	\$ 2,545,000	\$ 2,239,000
Broadband	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Total	\$ 2,082,076,467	\$ 3,543,694,173



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Smith County

Total Estimated Cost* for Infrastructure Improvements

\$130,830,000

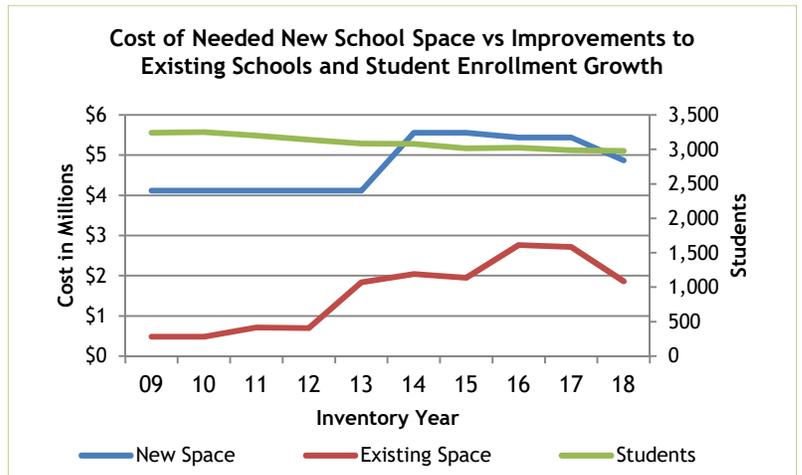
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Smith County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 62,753,000	\$ 47,849,300
Water and Wastewater	\$ 7,500,000	\$ 4,457,500
New Public Schools & Additions	\$ 4,869,000	\$ -
School Renovations	\$ 1,038,200	\$ 825,000
Solid Waste	\$ 1,000,000	\$ -
Recreation	\$ 150,000	\$ 188,000
Community Development	\$ 100,000	\$ -
Law Enforcement	\$ 100,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 77,510,200	\$ 53,319,800



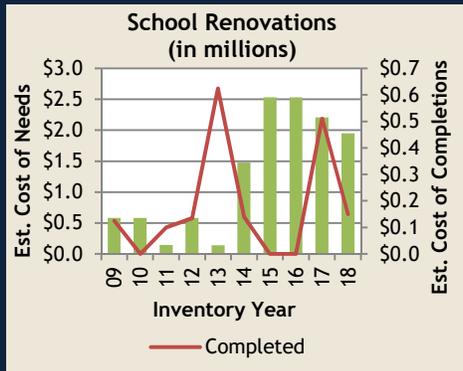
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Stewart County

Total Estimated Cost* for Infrastructure Improvements

\$35,404,000

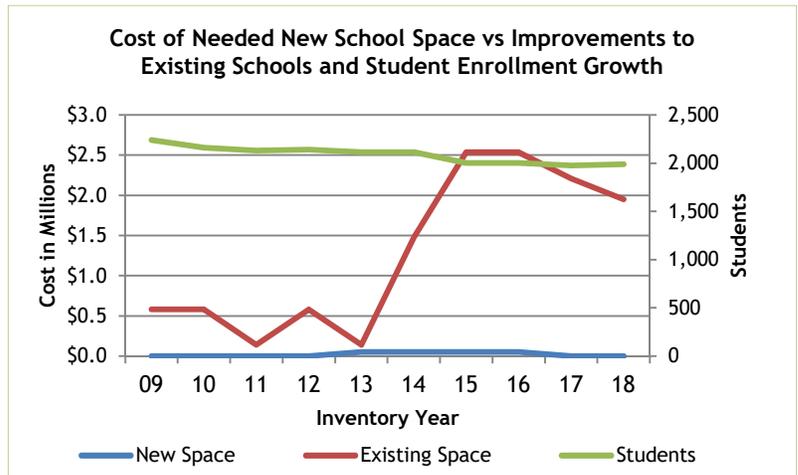
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Stewart County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 18,383,000	\$ 2,006,000
Other Utilities	\$ -	\$ 11,000,000
School Renovations	\$ 1,400,000	\$ 550,000
Water and Wastewater	\$ 500,000	\$ 840,000
Recreation	\$ 725,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 21,008,000	\$ 14,396,000

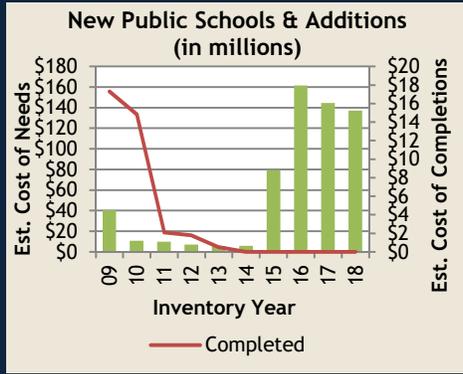


*Total Estimated Cost = Conceptual + Planning & Design + Construction

Sullivan County

Total Estimated Cost* for Infrastructure Improvements
\$1,228,889,262

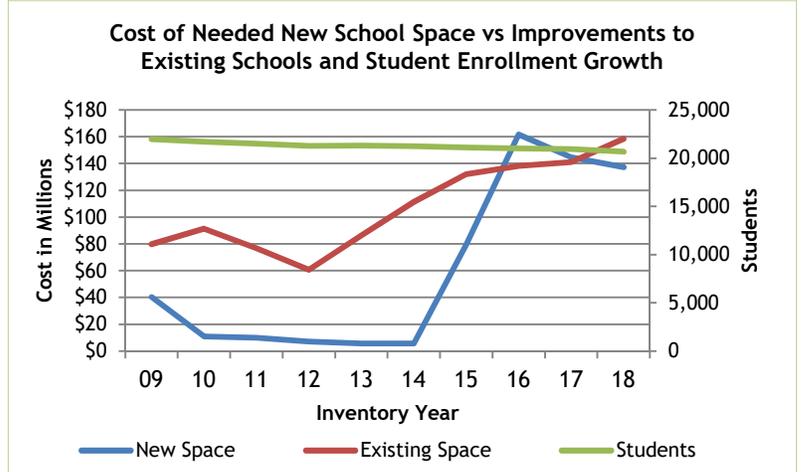
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Sullivan County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 315,564,881	\$ 349,827,017
School Renovations	\$ 110,239,000	\$ 48,288,809
New Public Schools & Additions	\$ 3,180,000	\$ 134,000,000
Water and Wastewater	\$ 18,149,000	\$ 46,470,142
Housing	\$ 1,900,000	\$ 56,016,000
Public Health Facilities	\$ 55,000,000	\$ -
Post-secondary Education	\$ -	\$ 39,265,000
Industrial Sites and Parks	\$ 1,998,900	\$ 20,117,000
Recreation	\$ 7,735,000	\$ 9,714,000
Fire Protection	\$ 200,000	\$ 4,568,000
Other Facilities	\$ 2,000,000	\$ 1,330,000
School-System-wide	\$ 1,000,000	\$ -
Storm Water	\$ 500,000	\$ 400,000
Libraries, Museums, & Historic Sites	\$ 500,000	\$ 205,513
Public Buildings	\$ -	\$ 350,000
Business District Development	\$ -	\$ 301,000
Community Development	\$ 70,000	\$ -
Broadband	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 518,036,781	\$ 710,852,481



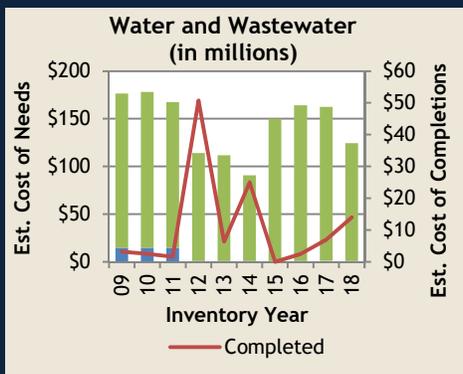
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Sumner County

Total Estimated Cost* for Infrastructure Improvements

\$892,507,082

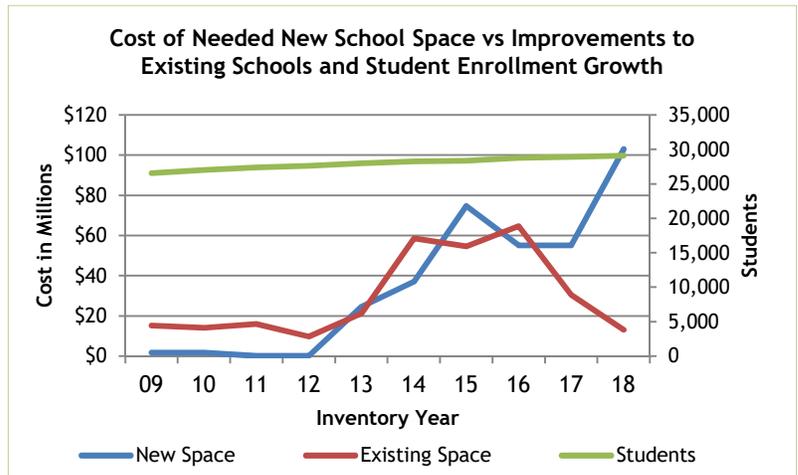
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Sumner County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 128,908,552	\$ 222,565,438
Water and Wastewater	\$ 22,289,000	\$ 102,190,000
Public Buildings	\$ 10,000,000	\$ 106,200,000
Recreation	\$ 94,129,250	\$ 10,264,375
New Public Schools & Additions	\$ 103,000,000	\$ -
Libraries, Museums, & Historic Sites	\$ 16,450,000	\$ 688,000
Post-secondary Education	\$ 3,060,000	\$ 10,172,220
School Renovations	\$ 2,199,000	\$ 10,924,247
Fire Protection	\$ 5,900,000	\$ 6,482,000
Community Development	\$ 5,100,000	\$ 6,500,000
Other Utilities	\$ 2,500,000	\$ 9,000,000
Storm Water	\$ 1,410,000	\$ 3,975,000
Other Facilities	\$ 2,600,000	\$ 1,000,000
Law Enforcement	\$ 3,000,000	\$ -
Business District Development	\$ 2,000,000	\$ -
Broadband	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Other Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 402,545,802	\$ 489,961,280



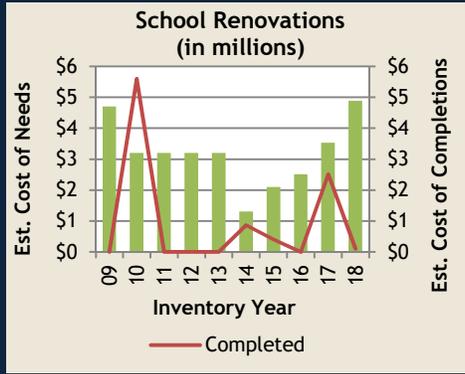
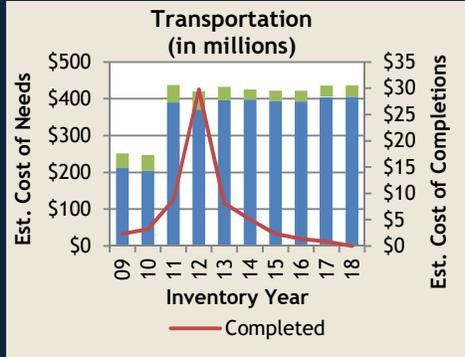
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Tipton County

Total Estimated Cost* for Infrastructure Improvements

\$459,832,542

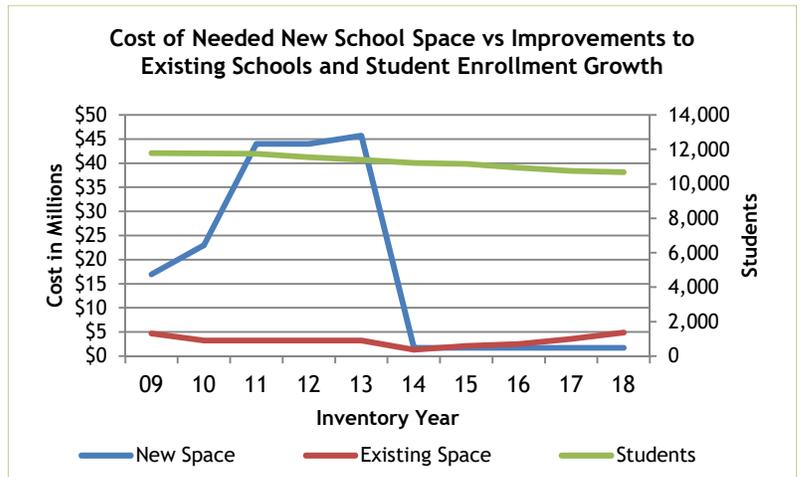
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Tipton County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 108,683,000	\$ 328,370,475
Water and Wastewater	\$ 8,500,000	\$ -
School Renovations	\$ 3,317,000	\$ 1,570,107
Post-secondary Education	\$ -	\$ 3,856,100
Recreation	\$ 1,500,000	\$ 1,895,860
New Public Schools & Additions	\$ -	\$ 1,700,000
Law Enforcement	\$ 440,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 122,440,000	\$ 337,392,542



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Trousdale County

Total Estimated Cost* for Infrastructure Improvements

\$126,788,474

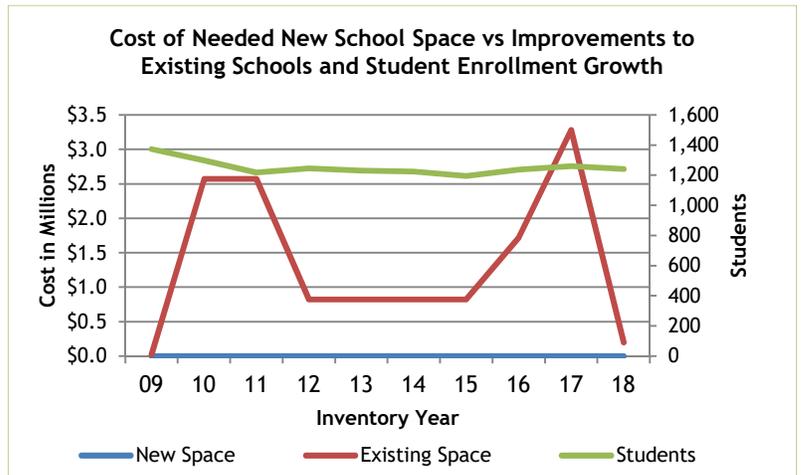
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Trousdale County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 25,230,000	\$ 53,445,754
Industrial Sites and Parks	\$ 1,500,000	\$ 27,200,000
Law Enforcement	\$ 10,000,000	\$ -
Water and Wastewater	\$ 1,432,720	\$ 7,680,000
School Renovations	\$ 100,000	\$ 100,000
Public Buildings	\$ 100,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
Recreation	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 38,362,720	\$ 88,425,754



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Unicoi County

Total Estimated Cost* for Infrastructure Improvements

\$91,540,107

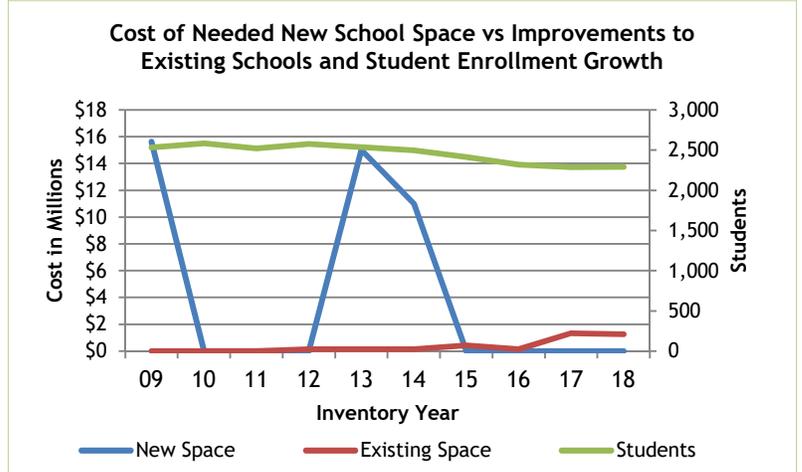
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Unicoi County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Recreation	\$ 12,245,000	\$ 20,249,089
Transportation	\$ 22,058,000	\$ 8,057,978
Community Development	\$ 16,575,000	\$ -
Water and Wastewater	\$ 5,132,200	\$ 2,576,840
School Renovations	\$ 350,000	\$ 900,000
Broadband	\$ -	\$ 1,100,000
Business District Development	\$ 1,000,000	\$ -
Industrial Sites and Parks	\$ 650,000	\$ -
Other Facilities	\$ 496,000	\$ -
Housing	\$ 150,000	\$ -
Fire Protection	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 58,656,200	\$ 32,883,907



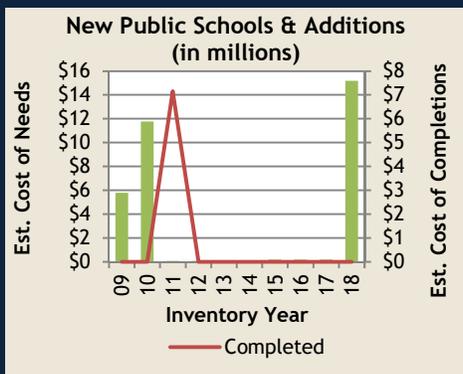
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Union County

Total Estimated Cost* for Infrastructure Improvements

\$110,120,462

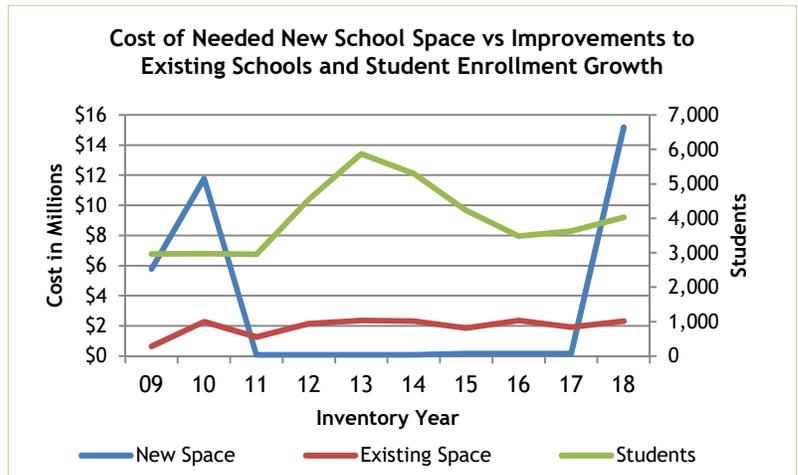
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Union County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 4,121,000	\$ 77,911,639
New Public Schools & Additions	\$ 15,175,000	\$ -
Recreation	\$ 6,070,000	\$ 1,750,000
School Renovations	\$ 1,408,620	\$ 905,983
Industrial Sites and Parks	\$ 1,200,000	\$ -
Post-secondary Education	\$ 1,000,000	\$ -
Water and Wastewater	\$ 328,220	\$ -
Public Health Facilities	\$ 250,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Buildings	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 29,552,840	\$ 80,567,622



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Van Buren County

Total Estimated Cost* for Infrastructure Improvements

\$88,451,840

TOP 3

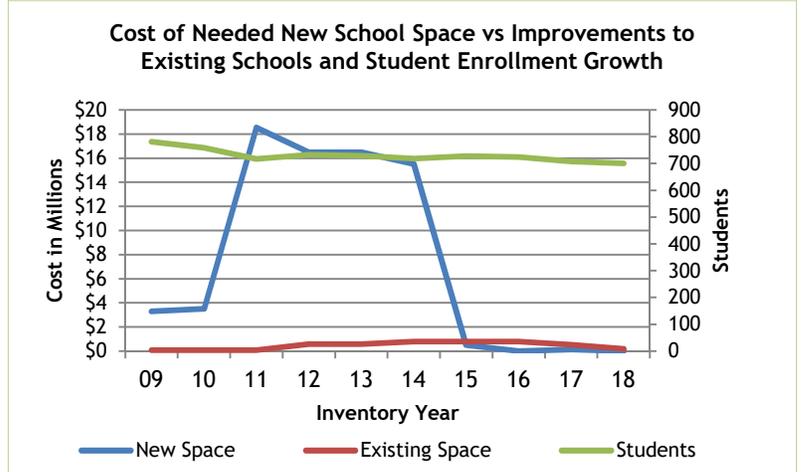


■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Van Buren County

Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Recreation	\$ 15,910,000	\$ 32,400,000
Transportation	\$ 559,000	\$ 26,921,340
Public Health Facilities	\$ 6,000,000	\$ -
Industrial Sites and Parks	\$ 5,000,000	\$ -
Other Utilities	\$ -	\$ 631,000
Community Development	\$ -	\$ 440,000
Water and Wastewater	\$ 300,000	\$ -
School Renovations	\$ 170,000	\$ -
Business District Development	\$ -	\$ 68,000
Public Buildings	\$ -	\$ 52,500
Broadband	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Law Enforcement	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 27,939,000	\$ 60,512,840



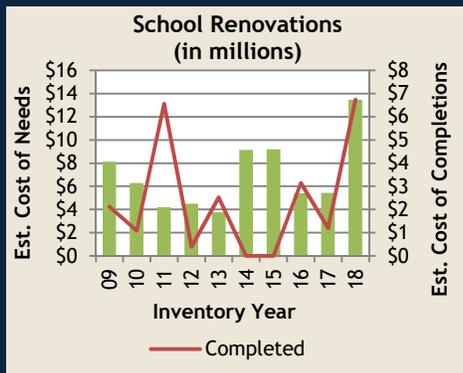
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Warren County

Total Estimated Cost* for Infrastructure Improvements

\$142,390,460

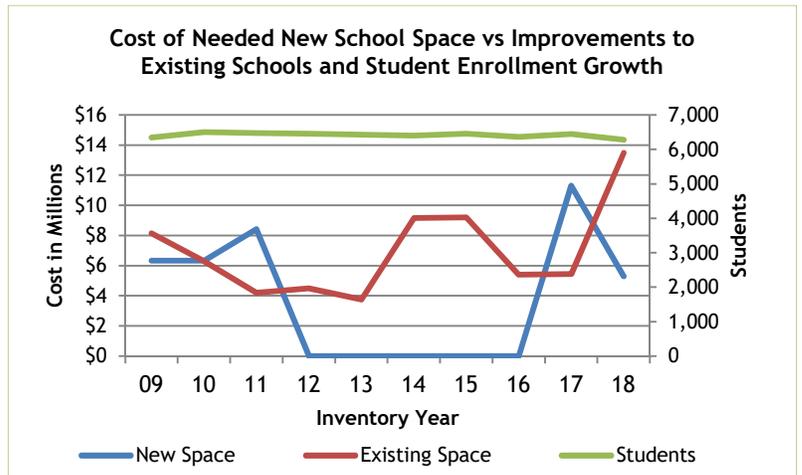
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Warren County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 33,398,000	\$ 45,963,960
Water and Wastewater	\$ 4,500,000	\$ 19,115,000
School Renovations	\$ 2,270,000	\$ 11,214,500
Law Enforcement	\$ -	\$ 12,160,000
New Public Schools & Additions	\$ 2,504,000	\$ 2,800,000
Recreation	\$ -	\$ 5,000,000
Post-secondary Education	\$ 1,740,000	\$ -
Public Buildings	\$ 1,000,000	\$ 300,000
Fire Protection	\$ 325,000	\$ -
Public Health Facilities	\$ 100,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 45,837,000	\$ 96,553,460



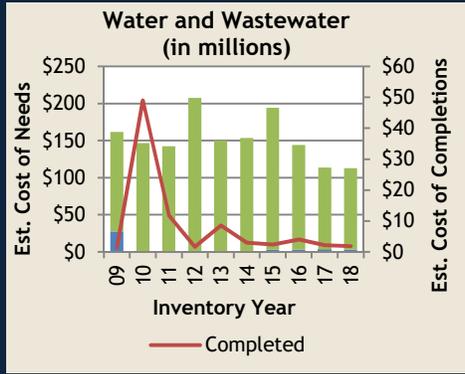
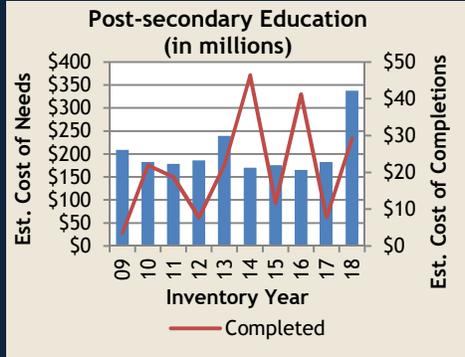
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Washington County

Total Estimated Cost* for Infrastructure Improvements

\$852,009,427

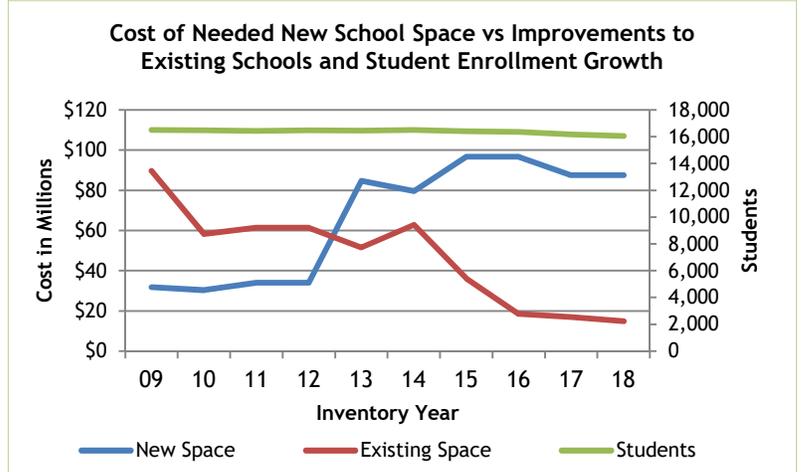
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Washington County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Post-secondary Education	\$ 171,915,000	\$ 165,384,147
Transportation	\$ 87,809,000	\$ 130,530,780
Water and Wastewater	\$ 47,429,000	\$ 65,515,000
New Public Schools & Additions	\$ 50,175,500	\$ 37,400,000
Housing	\$ 6,780,000	\$ 29,200,000
School Renovations	\$ 11,712,000	\$ 3,105,000
Recreation	\$ 1,570,000	\$ 11,995,000
Other Facilities	\$ -	\$ 8,000,000
Fire Protection	\$ 5,750,000	\$ -
Libraries, Museums, & Historic Sites	\$ 2,050,000	\$ 2,485,000
Public Buildings	\$ 1,080,000	\$ 3,169,000
Public Health Facilities	\$ 3,030,000	\$ 445,000
Law Enforcement	\$ 3,080,000	\$ 100,000
Business District Development	\$ 2,000,000	\$ -
School-System-wide	\$ 300,000	\$ -
Broadband	\$ -	\$ -
Community Development	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 394,680,500	\$ 457,328,927



*Total Estimated Cost = Conceptual + Planning & Design + Construction

Wayne County

Total Estimated Cost* for Infrastructure Improvements

\$112,978,746

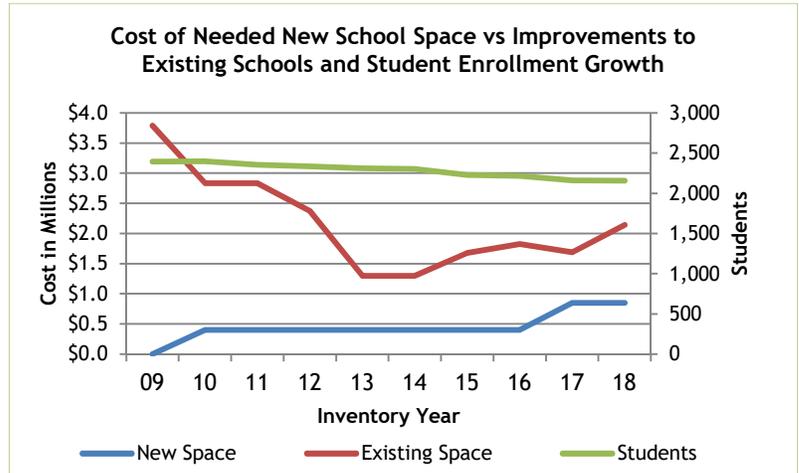
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Wayne County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 42,510,151	\$ 6,578,529
Law Enforcement	\$ 19,860,000	\$ 28,900,000
Industrial Sites and Parks	\$ 5,500,000	\$ 1,014,894
School Renovations	\$ 2,044,000	\$ 100,000
Water and Wastewater	\$ 1,763,500	\$ -
Community Development	\$ 1,500,000	\$ -
Solid Waste	\$ -	\$ 950,000
New Public Schools & Additions	\$ 850,000	\$ -
School-System-wide	\$ -	\$ 781,717
Public Health Facilities	\$ -	\$ 250,000
Recreation	\$ -	\$ 250,000
Fire Protection	\$ -	\$ 125,955
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Housing	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Buildings	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 74,027,651	\$ 38,951,095



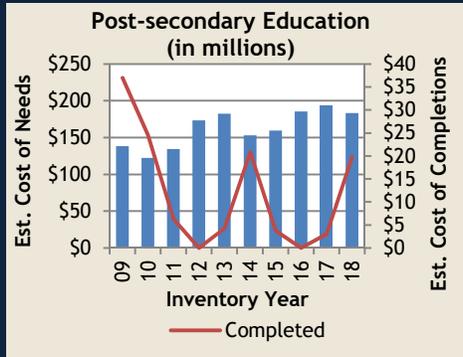
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Weakley County

Total Estimated Cost* for Infrastructure Improvements

\$255,834,868

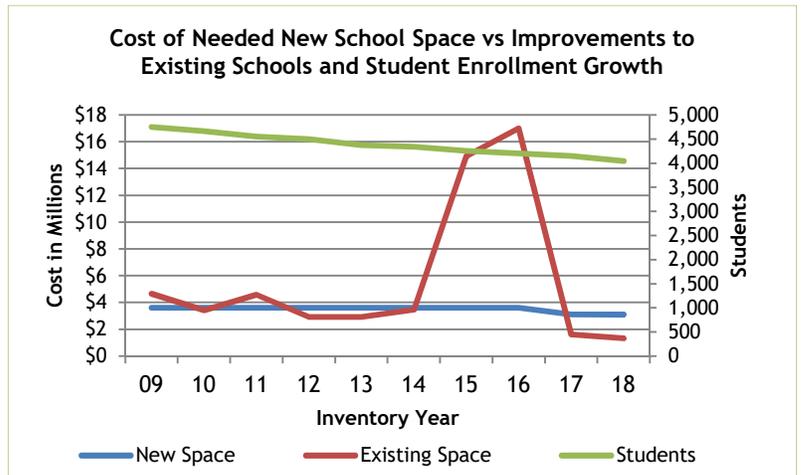
TOP 3



■ = Local
 ■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Weakley County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Post-secondary Education	\$ 74,600,000	\$ 108,680,000
Transportation	\$ 29,234,000	\$ 17,780,875
Libraries, Museums, & Historic Sites	\$ 5,500,000	\$ -
Law Enforcement	\$ -	\$ 4,500,000
Water and Wastewater	\$ 2,500,000	\$ 860,360
New Public Schools & Additions	\$ 3,100,000	\$ -
Recreation	\$ 850,000	\$ 1,149,633
Industrial Sites and Parks	\$ 1,900,000	\$ -
Public Buildings	\$ 1,300,000	\$ 260,000
School Renovations	\$ 575,000	\$ 745,000
Fire Protection	\$ 300,000	\$ 1,000,000
Storm Water	\$ 1,000,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Total	\$ 120,859,000	\$ 134,975,868



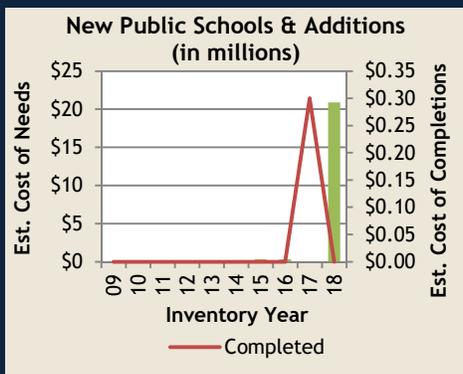
*Total Estimated Cost = Conceptual + Planning & Design + Construction

White County

Total Estimated Cost* for Infrastructure Improvements

\$113,698,395

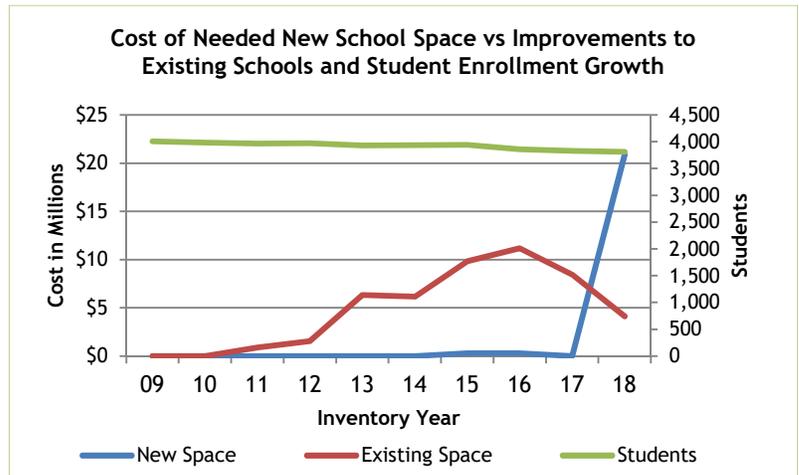
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for White County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 41,801,000	\$ 14,502,695
New Public Schools & Additions	\$ -	\$ 20,895,000
Water and Wastewater	\$ 12,700,000	\$ 3,800,000
School Renovations	\$ 850,000	\$ 3,280,000
Industrial Sites and Parks	\$ -	\$ 4,069,700
Public Buildings	\$ 4,000,000	\$ -
Law Enforcement	\$ 3,000,000	\$ -
Solid Waste	\$ -	\$ 3,000,000
Other Utilities	\$ -	\$ 900,000
Libraries, Museums, & Historic Sites	\$ 500,000	\$ -
Community Development	\$ -	\$ 200,000
Recreation	\$ 200,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Fire Protection	\$ -	\$ -
Housing	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School-System-wide	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 63,051,000	\$ 50,647,395



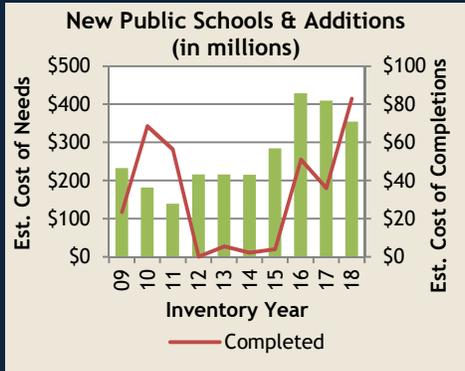
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Williamson County

Total Estimated Cost* for Infrastructure Improvements

\$2,154,943,418

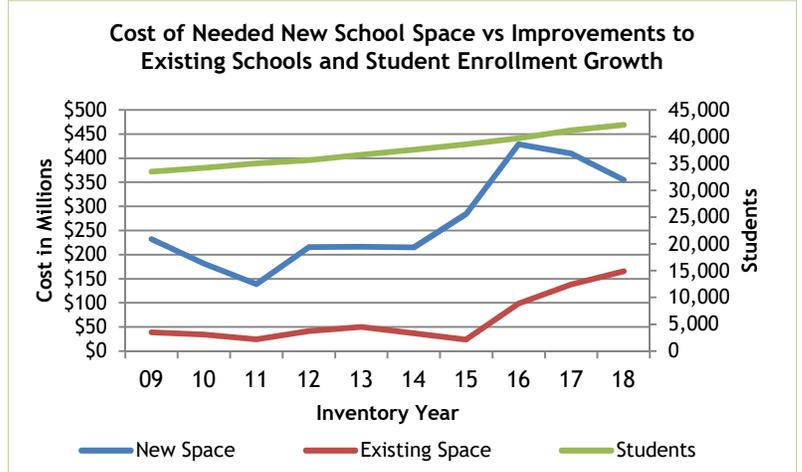
TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Williamson County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 172,360,844	\$ 821,708,901
New Public Schools & Additions	\$ 255,700,000	\$ 99,100,000
Water and Wastewater	\$ 44,571,895	\$ 222,187,498
School Renovations	\$ 21,428,000	\$ 143,970,968
Recreation	\$ 31,405,670	\$ 83,357,953
Post-secondary Education	\$ 17,700,000	\$ 58,680,000
Fire Protection	\$ 50,812,500	\$ 8,939,884
Public Buildings	\$ -	\$ 43,600,000
Law Enforcement	\$ -	\$ 30,000,000
Other Facilities	\$ -	\$ 14,000,000
Business District Development	\$ 8,600,000	\$ -
School-System-wide	\$ -	\$ 8,000,000
Storm Water	\$ 4,000,000	\$ 3,667,135
Libraries, Museums, & Historic Sites	\$ 3,970,170	\$ 3,120,000
Solid Waste	\$ 2,550,000	\$ 1,512,000
Broadband	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Other Education	\$ -	\$ -
Other Utilities	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
Total	\$ 613,099,079	\$ 1,541,844,339



*Total Estimated Cost = Conceptual + Planning & Design + Construction

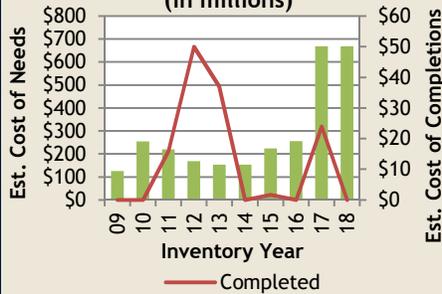
Wilson County

Total Estimated Cost* for Infrastructure Improvements

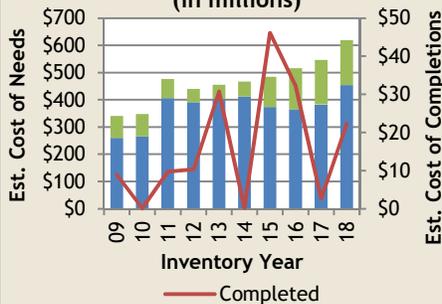
\$1,581,143,595

TOP 3

New Public Schools & Additions (in millions)



Transportation (in millions)



School Renovations (in millions)

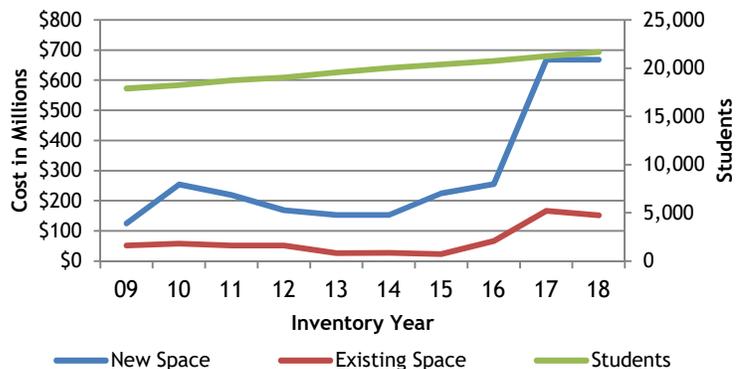


■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Wilson County Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
New Public Schools & Additions	\$ 388,500,000	\$ 280,000,000
Transportation	\$ 251,872,000	\$ 366,669,625
School Renovations	\$ 151,748,900	\$ 632,500
Water and Wastewater	\$ 48,600,000	\$ 32,000,000
Law Enforcement	\$ -	\$ 18,340,000
Recreation	\$ 11,000,000	\$ 7,160,570
Other Utilities	\$ -	\$ 10,000,000
Fire Protection	\$ 3,500,000	\$ 2,750,000
Solid Waste	\$ 3,000,000	\$ -
Public Buildings	\$ -	\$ 2,500,000
School-System-wide	\$ 2,150,000	\$ -
Public Health Facilities	\$ 720,000	\$ -
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Post-secondary Education	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 861,090,900	\$ 720,052,695

Cost of Needed New School Space vs Improvements to Existing Schools and Student Enrollment Growth



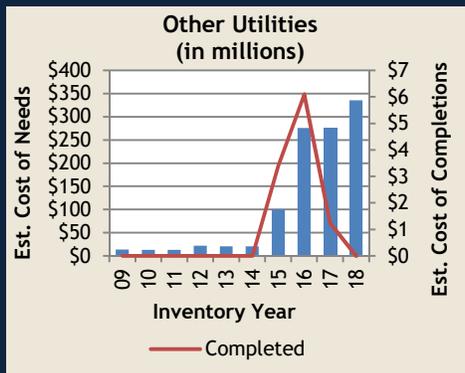
*Total Estimated Cost = Conceptual + Planning & Design + Construction

Multi-county

Total Estimated Cost* for Infrastructure Improvements

\$4,573,974,520

TOP 3



■ = Local
■ = Regional (Serves Multiple Counties)

Estimated Cost of Needed Infrastructure for Multi-county Five-year period July 2018 through June 2023

Project Type	Conceptual	Planning & Design + Construction
Transportation	\$ 1,239,389,000	\$ 2,358,329,495
Water and Wastewater	\$ 27,706,410	\$ 404,944,000
Other Utilities	\$ 89,700,000	\$ 245,775,000
Post-secondary Education	\$ 57,340,000	\$ 51,317,416
Law Enforcement	\$ 3,200,000	\$ 59,030,000
Recreation	\$ 10,040,000	\$ 14,500,000
Public Buildings	\$ -	\$ 12,410,000
Fire Protection	\$ 158,000	\$ -
Libraries, Museums, & Historic Sites	\$ -	\$ 135,199
Broadband	\$ -	\$ -
Business District Development	\$ -	\$ -
Community Development	\$ -	\$ -
Housing	\$ -	\$ -
Industrial Sites and Parks	\$ -	\$ -
New Public Schools & Additions	\$ -	\$ -
Other Education	\$ -	\$ -
Other Facilities	\$ -	\$ -
Public Health Facilities	\$ -	\$ -
School Renovations	\$ -	\$ -
School-System-wide	\$ -	\$ -
Solid Waste	\$ -	\$ -
Storm Water	\$ -	\$ -
Total	\$ 1,427,533,410	\$ 3,146,441,110

*Total Estimated Cost = Conceptual + Planning & Design + Construction