



ROCKDALE COUNTY DEPARTMENT OF TRANSPORTATION 5 YEAR CIP 2023-2027

Presented by :
Brian A. Kelley, P.E.
William F. Brown
Date: May 11, 2022

Automotive Equipment

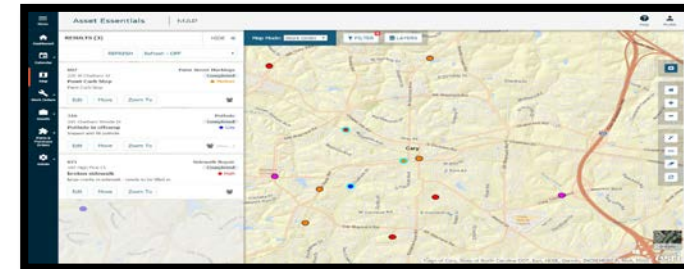
- 2023 Ford F150 Truck **\$31,500**
 - Replacement for 1996 Ford Ranger that lacks modern safety features.
- 2023 Ford Explorer **\$35,000**
 - Replacement for 2005 Ford Explorer used for field inspections, surveys, etc.
- 2024 Ford Explorer & F250 Truck **\$95,000**
 - Replacement for 2001 F-150 used for field maintenance operations and replacement for the truck being transferred to Code Enforcement.
- 2026 Ford F350 Bucket Truck **\$125,000**
 - Replacement for 1991 GMC 3500 - current bucket truck is 30 years old and is used during Traffic Signal operations.
- RDOT is requesting to replace these units due to age, repair costs, County image, and safety
- These units are needed to support our emergency and routine maintenance operations



	Implementation Year					Five Year
	2023	2024	2025	2026	2027	Total
Total Automotive Equipment	66,500	95,000	-	125,000	-	286,500

Technology Programs & Improvements

- 2023 Security & Camera system for facility, \$50,000
 - Enhance security monitoring for location due to recent vandalism
- 2023 Plan to include RDOT in Countywide GIS Platform, \$5,000
 - This will allow coordination & spatial visualization of multiple department tasks to gain synergy and reduce waste
- 2023 Engineering Software, \$10,000
 - Improve pavement management program
 - In-house design of sidewalks to further the “complete streets” resolution



	Implementation Year					Five Year
	2023	2024	2025	2026	2027	Total
Total Technology Programs & Improvements	65,000	50,000	50,000	50,000	50,000	265,000

HEAVY EQUIPMENT

- 2023 Asphalt Paver with Roller \$325,000
 - New paver and roller will enhance operations, ensure proper compaction and a smooth application
- 2023 Sign Truck \$85,000
 - Current truck places RDOT staff in traffic, a new work vehicle would be designed to prevent staff from working in traffic
- 2024 Dump Trailer / Woodchipper \$40,000/\$30,000
 - Trailer and woodchipper will greatly enhance our emergency operations
- 2024 Tractor-Mower 6415 and Mini-Excavator \$220,000
 - New mowers would increase productivity and limit repair cost
- 2025 New 5-yard Dump Truck and Motorgrader \$325,000
 - A New dump truck will enhance RDOT storm debris emergency operations and pavement maintenance operations.
- 2026 Tractor-Mower 6403 or equivalent \$85,000
 - New mowers would increase productivity and limit repair cost
- 2027 Cat Backhoe \$150,000
 - New equipment would assist with road construction maintenance storm debris clean-up and efficiency



Description	Implementation Year					Five Year Total
	2023	2024	2025	2026	2027	
Construction & Heavy Equipment (Backhoes, Paving Eqt, etc.)						
Total Construction & Heavy Equipment	410,000	290,000	325,000	85,000	150,000	1,260,000



BUILDING IMPROVEMENTS/RENOVATIONS

- 2023 Remodel Restroom \$25,000
 - Restroom is not ADA Compliant
- 2024 Remodel RDOT Breakroom \$20,000
 - Breakroom update including appliances
- 2025 New HVAC Unit for RDOT Sign Shop \$15,000
- 2026 Updated Fire Suppression System \$150,000



Description	Implementation Year					Five Year
	2023	2024	2025	2026	2027	Total
Building Improvements / Renovations / Expansion						
Total Building Improvements	25,000.00	20,000.00	15,000.00	150,000.00	-	210,000.00

- 2027 New Millings and Equipment Storage building \$150,000
 - Prefab building will house road millings, salt for inclement weather, and equipment

Description	Implementation Year					Five Year
	2023	2024	2025	2026	2027	Total
New Building – Pre Fab						
Total Building Improvements					150,000.00	150,000.00



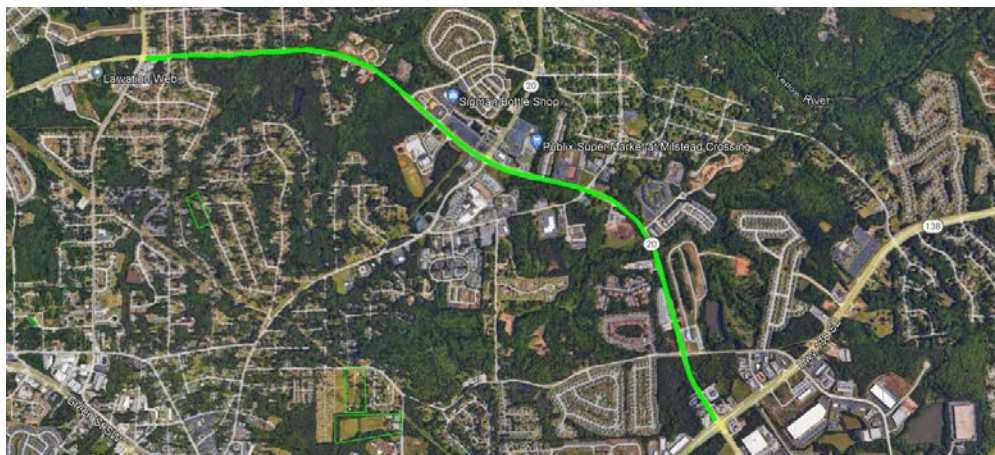
Infrastructure improvements (streets, sidewalks, etc.)

Description	Implementation Year					Five Year	SPLOST/Grant
	2023	2024	2025	2026	2027	Total	
Infrastructure Improvements (Streets, Sidewalks Pipelines)							
Sigman Road - Design & ROW for IV improved traffic flow	350,000	1,500,000				1,850,000	GDOT/SPLOST
Sigman Construct Phase II - Accommodate east/west traffic flow & business use of I-20	500,000	500,000.00				1,000,000	GDOT/SPLOST Contingency
Salem Road 162 - Improve traffic flow from I-20 heading south to Newton County on 162 Salem Rod (depends on which plan is chosen)		250,000	250,000			500,000	GDOT/SPLOST Contingency
Courtesy Parkway - North South Connection - complete bridge over I-20	10,000,000	11,000,000				21,000,000	
Farmer Road Connector	1,000,000	1,580,000				2,580,000	SPLOST
Bridge Inspection/Minor Repairs	100,000	100,000	100,000	100,000	100,000	500,000	Potential SPLOST
Road Safety Improvement Projects	100,000	100,000	100,000	100,000	100,000	500,000	Potential SPLOST
Program Management/Staff Supplementals	100,000	100,000	100,000	100,000	100,000	500,000	
Transit Services (Price and Services to be determined)	150,000	550,000	600,000	600,000	300,000	2,200,000	SPLOST
Comprehensive Transportation Plan	100,000	100,000				200,000	SPLOST
SPLOST Road Rehabilitation	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	25,000,000	SPLOST
Pavement Management/Inventory	60,000	60,000	60,000	60,000	60,000	300,000	SPLOST
Sidewalk Improvement Program	125,000	125,000	50,000	50,000	50,000	400,000	SPLOST
Total Infrastructure Improvements	17,535,000	20,965,000	6,010,000	6,010,000	5,710,000	56,530,000	

- Highlighted projects have executed construction contracts, all others are design estimates
- Roadway/Infrastructure projects have complex funding strategies involving GDOT/ARC/Federal Grants/SPLOST
- Overall project costs are Order of Magnitude estimates, project cost funding divisions will change.

Infrastructure improvements (streets, sidewalks, etc.)

- Sigman Phase 3 Estimated Total Project Cost: **+/- \$40 million** (Irwin Bridge Road to SR 138)
 - (Phase 3 will be placed on hold while design activities proceed on Phase 4)
- Sigman Phase 4 Estimated Total Project Cost: **+/- \$30 million** (SR 138 to I-20)
 - RDOT will implement a scoping study followed by preliminary engineering



Infrastructure improvements (streets, sidewalks, etc.)

- Sigman Phase 2 Estimated Total Project Cost: **+/- \$19 million**
(Lester Road to Irwin Bridge Road)

Project	Total Project Cost	ARC/GDOT Funded
Sigman 2	\$19,388,000	\$14,549,866

Status: Construction NTP March 19 2021 - E.R. Snell contractor

- Approximately 50% complete;
- May 2022 - Traffic shift will be shifted south of the current alignment;
- MSE walls are 90% complete;
- All culvert extensions are complete
- Storm drainage pipe installation is ongoing



Infrastructure improvements (streets, sidewalks, etc.)

- Salem Road SR 162 Widening PI 0013628 (Old Salem Road to Flat Shoals Road)
- Potential lighting agreement with GDOT to be funded
- Potential striping adjustment to minimize project impact

Status: Construction to begin 2024

Project Cost: \$42.6 million GDOT let and managed

Atlanta Region's Plan RTP (2020) PROJECT FACT SHEET

Short Title: SR 162 SALEM ROAD WIDENING FROM FLAT SHOALS ROAD TO OLD SALEM ROAD IN ROCKDALE COUNTY TO OLD SALEM ROAD IN WELLS COUNTY

GDOT Project No.: 0013628

Federal ID No.: 44700001

Status: Approved

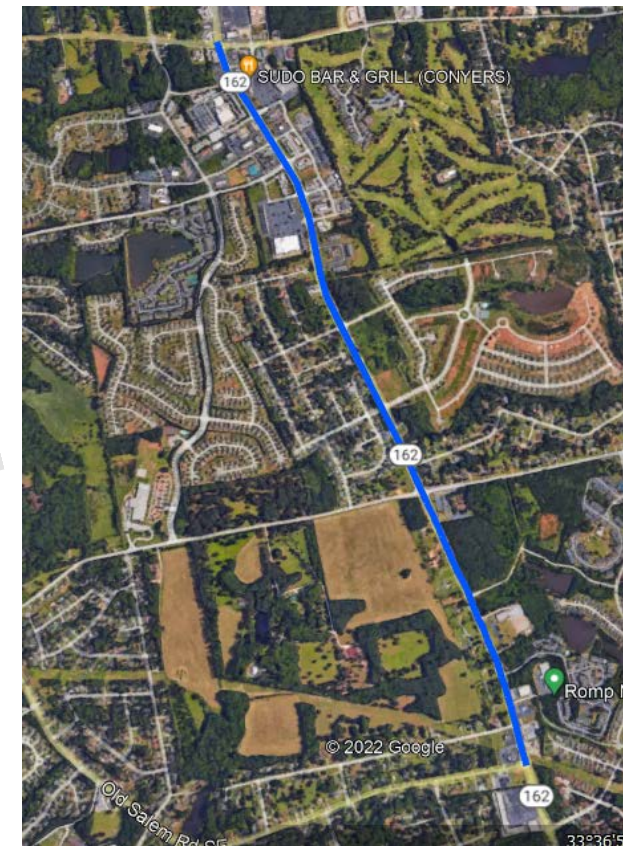
Service Type: Construction

Analysis Level: 3

Existing Thru Lane: 4

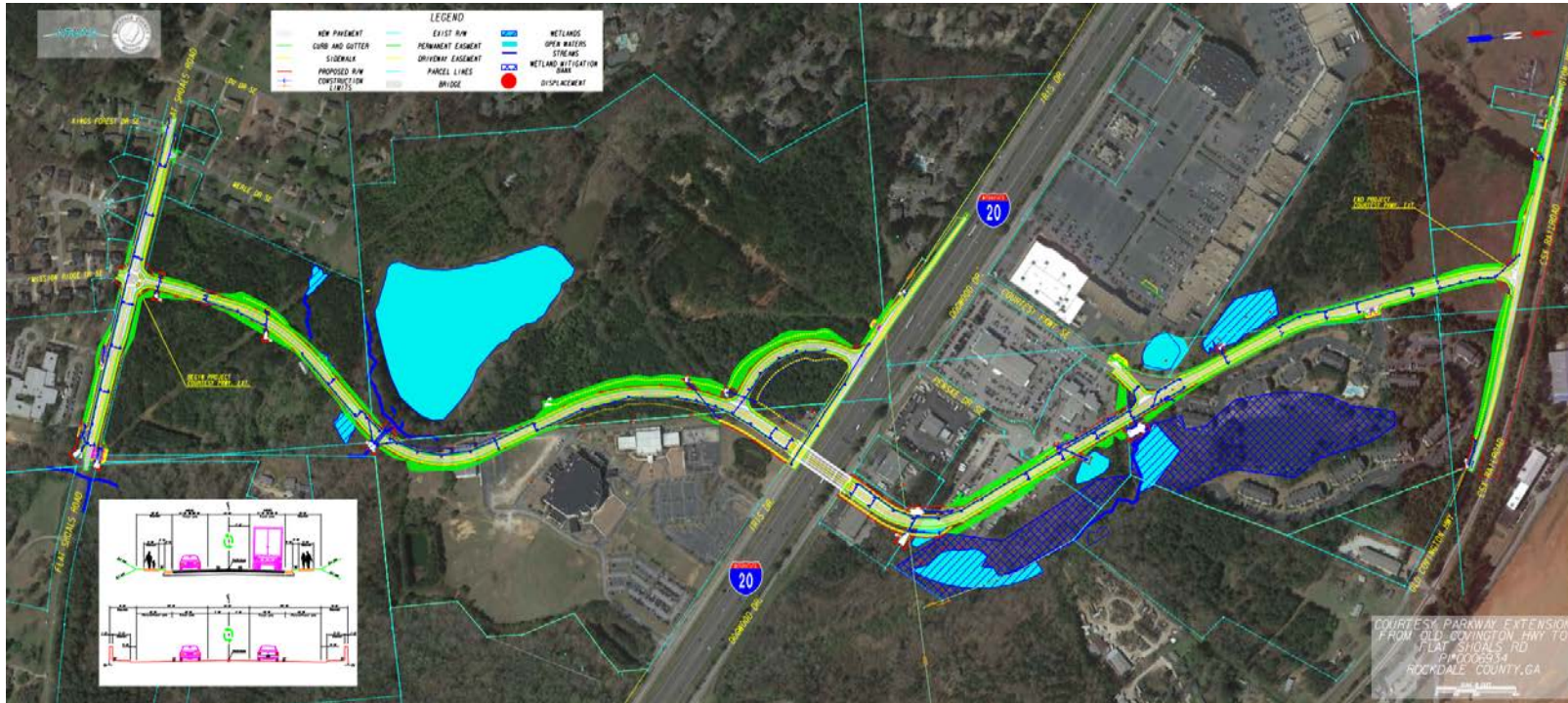
Planned Description and Justification: The project is to widen SR 162 from Old Salem Road to the South Side in Rockdale County. The project will provide a 12-foot wide travel lane in each direction, with a 2-foot wide shoulder. It will also provide sidewalks on both sides of the road. The project will provide a 12-foot wide travel lane in each direction, with a 2-foot wide shoulder. It will also provide sidewalks on both sides of the road. The project will provide a 12-foot wide travel lane in each direction, with a 2-foot wide shoulder. It will also provide sidewalks on both sides of the road.

Phase Status & Funding Information	Phase	FISCAL YEAR	TOTAL PHASE COST	BREAKDOWN OF TOTAL PHASE COST BY FUNDING SOURCE			
				STATE	FEDERAL	LOCAL	OTHER
SR 162 Salem Road Widening PI 0013628	0013628	2024	\$42,600,000	\$0	\$42,600,000	\$0	\$0
SR 162 Salem Road Widening PI 0013628	0013628	2025	\$0	\$0	\$0	\$0	\$0
SR 162 Salem Road Widening PI 0013628	0013628	2026	\$0	\$0	\$0	\$0	\$0
SR 162 Salem Road Widening PI 0013628	0013628	2027	\$0	\$0	\$0	\$0	\$0
SR 162 Salem Road Widening PI 0013628	0013628	2028	\$0	\$0	\$0	\$0	\$0
SR 162 Salem Road Widening PI 0013628	0013628	2029	\$0	\$0	\$0	\$0	\$0
SR 162 Salem Road Widening PI 0013628	0013628	2030	\$0	\$0	\$0	\$0	\$0
SR 162 Salem Road Widening PI 0013628	0013628	2031	\$0	\$0	\$0	\$0	\$0
SR 162 Salem Road Widening PI 0013628	0013628	2032	\$0	\$0	\$0	\$0	\$0
SR 162 Salem Road Widening PI 0013628	0013628	2033	\$0	\$0	\$0	\$0	\$0
SR 162 Salem Road Widening PI 0013628	0013628	2034	\$0	\$0	\$0	\$0	\$0
SR 162 Salem Road Widening PI 0013628	0013628	2035	\$0	\$0	\$0	\$0	\$0
SR 162 Salem Road Widening PI 0013628	0013628	2036	\$0	\$0	\$0	\$0	\$0
SR 162 Salem Road Widening PI 0013628	0013628	2037	\$0	\$0	\$0	\$0	\$0
SR 162 Salem Road Widening PI 0013628	0013628	2038	\$0	\$0	\$0	\$0	\$0
SR 162 Salem Road Widening PI 0013628	0013628	2039	\$0	\$0	\$0	\$0	\$0
SR 162 Salem Road Widening PI 0013628	0013628	2040	\$0	\$0	\$0	\$0	\$0



Infrastructure improvements (streets, sidewalks, etc.)

Courtesy Parkway Non-Access Bridge



Project	Total Project Cost	Current ARC/GDOT Funded
Courtesy Pkwy	+/- \$35,000,000	\$15,370,000

Status: In Design, the ROW acquisition is ongoing

- \$13 million unfunded (TIFIA Loan -\$9.3M, INFRA grant submittal in progress, \$6M SPLOST funds already secured)
- Utility relocations are required that will impact the project schedule

Infrastructure improvements (streets, sidewalks, etc.)

Farmer Road/Frontier Connector



Project	Total Project Cost	ARC/GDOT Funded
Farmer Connector	\$1,839,000	\$0

Status: In Design, ROW acquisition is ongoing, C/O approved

Infrastructure improvements (streets, sidewalks, etc.)

Bridge Inspection/Maintenance Work

- \$500,000 to inspect County bridges and complete repairs/routine maintenance



Honey Creek Road Bridge Rail Damage –
picked up by GDOT Bridge program

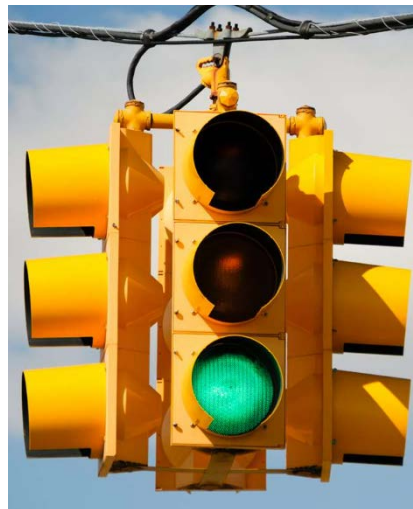
Rockbridge Road is closed due to bridge approach failure.
Construction to begin May 2022



Infrastructure improvements (streets, sidewalks, etc.)

Road Safety Improvement Projects

- \$500,000 to improve various roadway intersections. Improvements can include:
 - Turn lanes
 - Radius improvements/shoulder widening
 - Roadway striping/markings
 - Stop and Go signals
 - Guardrail addition or upgrades



Infrastructure improvements (streets, sidewalks, etc.)

Program Management/Staff Supplementals

- \$500,000 to provide program management/temporary engineering and/or construction support for ongoing/upcoming projects

Courtesy Parkway Non-Access Bridge Design/Construction

Sigman Road Widening Phase 4 Design

Farmer/Frontier Road Connector Design/Construction

Granade Road Sidewalk Construction

Safety/Capacity Improvements Design/Construction

CTP Study

Rockbridge Road Bridge Replacement

Transit Master Plan Study

SP1057 4a/5a Roadway Rehabilitation

Off-System Signal Improvements Design/Construction

Infrastructure improvements (streets, sidewalks, etc.)

Transit Services – Master Plan and Operations

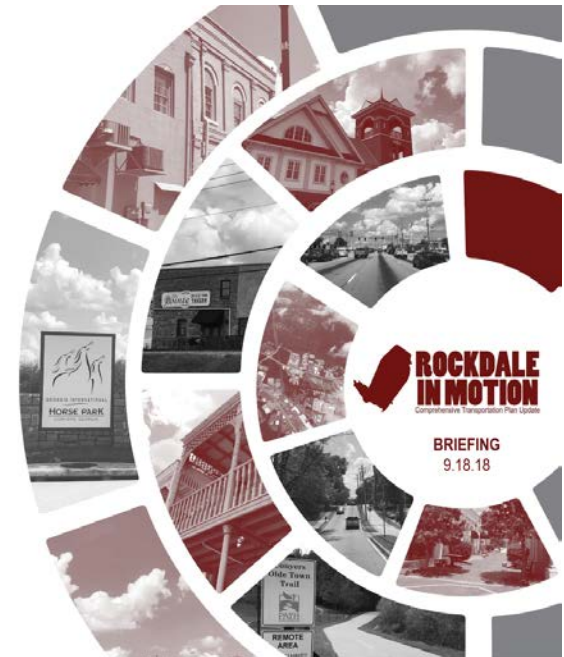
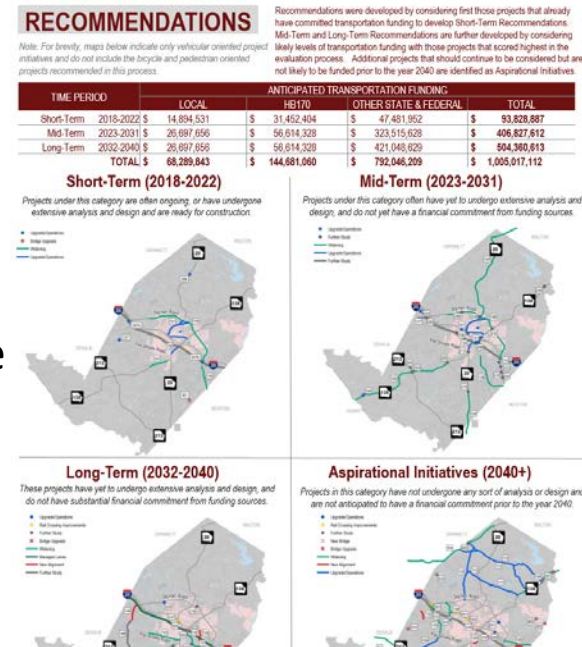
- \$150,000 County match to create a Transit/Mobility Master Plan for Rockdale County
- Funding for 2023-2027 is an estimate, dependent on:
 - ❖ Routing,
 - ❖ Frequency,
 - ❖ MP determined need and full scope
- Federal Transit funds will be available after operational review 2 years after the start of services



Infrastructure improvements (streets, sidewalks, etc.)

Comprehensive Transportation Plan

- \$200,000 County match to update the Comprehensive Transportation Plan (CTP)
- CTP reviews current state of County:
 - Transportation
 - Development
 - Construction
 - Zoning
 - Other forms of mobility
- CTP helps to prioritize and evaluate which improvements are needed based on safety, capacity and other County factors



Infrastructure improvements (streets, sidewalks, etc.)

SPLOST Roadway Rehabilitation

- \$5,000,000 per year for pavement rehabilitation
 - Approximately 20-30 miles of rehab per year
 - Length per year is dependent on required rehab
 - Road improvements are identified by RDOT and the SPLOST committee collaboratively
 - Current SPLOST 4A contains 24.4 miles of Road rehabilitation with 100 roads included
 - **SOLELY FUNDED BY SPLOST**



Infrastructure improvements (streets, sidewalks, etc.)

Pavement Management/Sidewalk Improvement

- Pavement Management/Ratings will help us assess County roadways and determine the most needed improvements
- Sidewalk Improvements will help repair sidewalks and add new sidewalk to better link communities



CIP Infrastructure Improvements RDOT



Department of Transportation 5 Year CIP Request Summary

Category	2023	2024	2025	2026	2027	Five Year Total
Automotive Equipment	\$ 66,500.00	\$ 95,000.00	\$ -	\$ 125,000.00	\$ -	\$ 286,500.00
Technology Programs & Improvements	\$ 65,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 265,000.00
Construction & Heavy Equipment	\$ 410,000.00	\$ 290,000.00	\$ 325,000.00	\$ 85,000.00	\$ 150,000.00	\$ 1,260,000.00
Building Improvements/Renovations/Expansions	\$ 25,000.00	\$ 20,000.00	\$ 15,000.00	\$ 150,000.00	\$ -	\$ 210,000.00
New Buildings	\$ -	\$ -	\$ -	\$ -	\$ 150,000.00	\$ 150,000.00
Infrastructure Improvements	\$ 17,585,000.00	\$ 20,965,000.00	\$ 6,010,000.00	\$ 6,010,000.00	\$ 5,710,000.00	\$ 56,530,000.00
TOTALS	\$ 18,151,500.00	\$ 21,420,000.00	\$ 6,400,000.00	\$ 6,420,000.00	\$ 6,060,000.00	\$ 58,701,500.00

Questions

