

Department Name: Fire, Rescue & Emergency Services
Capital Improvement Project Requests
FY 17/18 - 21/22

No.	Project Title	Priority	Prior Appropriat	Totals	2017-18	2018-19	2019-20	2020-21	2021-22	Est Oper Costs
1	TDMA Radio Upgrade	Urgent	\$ -	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -
2	Ambulance Replacment	Urgent	\$ -	\$ 1,250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ -
3	Fire & Rescue Facilities	Urgent	\$ -	\$ 10,000,000	\$ 5,000,000	\$ -	\$ -	\$ 5,000,000	\$ -	\$ 975,000
4	Replacement of Engine 21	Urgent	\$ -	\$ 675,000	\$ 675,000	\$ -	\$ -	\$ -	\$ -	\$ -
5	Stryker Power Load System	Urgent	\$ -	\$ 163,000	\$ 163,000	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Department Request		\$ -	\$ 12,138,000	\$ 6,138,000	\$ 250,000	\$ 250,000	\$ 5,250,000	\$ 250,000	\$ 975,000

KING GEORGE COUNTY
Capital Improvement Project Request

Request # 1

1. Department: **Fire, Rescue & Emergency Services** 2. Date Requested: **3/7/2017**

3. Project Title: **TDMA Radio Upgrade** 4. *Priority: **Urgent**

5. Project Description: Include Location, Size of project, Sq. footage, etc. (attach map)
Add Time Division Multiple Access (TDMA) Flash Port Option to our Mobile/Portable Radios.

6. Reason for Request:

Regulatory Requirement: <input type="checkbox"/>	Safety: <input checked="" type="checkbox"/>	Obsolete: <input type="checkbox"/>
Upgrade/ Replace/Renovate: <input checked="" type="checkbox"/>	Growth: <input checked="" type="checkbox"/>	Efficiency: <input checked="" type="checkbox"/>

7. Project Justification: Reason the project is being requested/state regulatory agency if applicable, etc.
TDMA is needed for 95 mobile and portable APX Mobile & Portable Radios to remain compatible with our surrounding partners, to include Stafford Cnty, Spotsylvania Cnty, Caroline Cnty, City of Fredericksburg, and in the near future possibly Westmoreland Cnty. It allows a single 12 MHz frequency to be divided into two 6.25 MHz frequencies, therefore doubling the number of frequencies available to the system. The TDMA option (software) is purchased from the radio manufacturer for each radio and then we will reprogram the radios in house, saving approximately \$50 per radio, to unlock the option therefore allowing the needed features to be utilized with our partners.

8. Benefits if Request is approved:
If approved, it will allow our radios to remain compatible with our surrounding partners.

9. Impact if Request is not approved:
If not approved, we will loose the capability to communicate on our partner radio systems.

10. Included in Master Plan: No New: No Prev Apprv: No Expanded : No

11. Effect on other Departments/Other Beneficiaries?
It allows our units/personnel the capability to communicate on our partner radio systems when providing assistance to those localities.

Request # 1 continued

Department: **Fire, Rescue & Emergency Services**
Proj. Continued: **TDMA Radio Upgrade**

12. Project timeline: Beg/End Date: **7/1/2017** to **6/30/2018**

13. Additional Space Requirements:

14. Estimated Annual Costs:	Totals	2017 - 2018	2018 - 2019	2019 - 2020	2020 - 2021	2021-22
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Architecture	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchases	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -
Estimated Project Total:	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -

15. **Estimated Annual Operating Costs upon Completion: MUST BE COMPLETED

15. **Estimated Annual Operating Costs upon Completion: MUST BE COMPLETED	Totals	2017 - 2018	2018 - 2019	2019 - 2020	2020 - 2021	2021-22
Additional Staff Needed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Utilities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maintenance agreements, etc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other, Vehicles, etc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Estimated Operating Costs:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Note: Must be including in Operating Budget.

KING GEORGE COUNTY
Capital Improvement Project Request

16. Attachments:

***Below Area to be completed by Finance Department **Except #18 Grant Funding:** ***

17. Prior Year Appropriations: \$ - Year

18. Estimated Funding Source:	Totals	2017 - 2018	2018 - 2019	2019 - 2020	2020 - 2021	2021-22
Cash/Local Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
***Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
***Capital Lease	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State/Federal Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

***Note: Must include Principal and Interest Payments in Operating Budget.

19. County Administrator's Comments: Recommend/Deny:

20. Board of Supervisors Comments/Recommendations: Recommend/Deny:

21. Date Presented to Board:

22. Date Adopted by Board:

- See #4 above * **Urgent** = Must be completed as soon as possible. Regulatory requirement, compliance, mandated. Start < 1 year.
Necessary = Should be done to ensure safety of employees/citizens, etc. Hazardous. Start < 3 years.
Future = No immediate need; Will improve facility, etc. May create savings/efficiencies.
Desirable = Revenue enhancing/Cost saving projects. Income/savings will cover expense of project.

KING GEORGE COUNTY
Capital Improvement Project Request

Request # 2

1. Department: **Fire, Rescue & Emergency Services** 2. Date Requested: **3/10/2017**
3. Project Title: **Ambulance Replacement** 4. *Priority: **Urgent**

5. Project Description: Include Location, Size of project, Sq. footage, etc. (attach map)

This project is to replace one ambulance each year. The ambulances are stationed at Companies 1, 2, 3 and Station 2 throughout the County.

6. Reason for Request:

Regulatory Requirement:	<input checked="" type="checkbox"/>	Safety:	<input checked="" type="checkbox"/>	Obsolete:	<input type="checkbox"/>
Upgrade/ Replace/Renovate:	<input checked="" type="checkbox"/>	Growth:	<input checked="" type="checkbox"/>	Efficiency:	<input checked="" type="checkbox"/>

7. Project Justification: Reason the project is being requested/state regulatory agency if applicable, etc.

Currently King George County's Emergency Medical Services (EMS) are provided with six (6) primary ambulances and one (1) reserve (back-up) ambulance. These ambulances respond to various emergencies such as; medical, fire, hazardous materials, law enforcement stand-by, etc. Between all of these units they respond to over 3000 calls per year. These units are maintained with a weekly rotation schedule. This rotation is necessary in order for no one ambulance to receive very high mileage in a short time frame and to ensure preventive maintenance and repairs are completed. Most of the miles comes from transporting medical patients to Mary Washington Hospital, Spotylvania Regional Hospital, and to Charles Regional Medical Center in Maryland. Most ambulances receive an average 30,000 to 35,000 miles annually with all six (6) totaling approximately 140,000 miles a year. Below is the current mileage and year(s) of our ambulances: Unit 1 - 2015 (46,085 miles); Unit 2 - 2011 (123,055 miles); Unit 3 - 2012 (86,120 miles); Unit 4 - 2016 (8,924 miles); Unit 5 - 2015 (45,045 miles); Unit 6 - 2015 (20,337 miles); and Unit 7 - (159,200 miles). Operating cost for each ambulance will be approximately the same as our current ambulances, if not less. These costs include insurance, fuel, preventive maintenance, etc. However, no new additional costs would be added. This request follows the recommendations outlined in the VA Dept. of Fire Programs and VA Office of EMS State Study for King George, as endorsed by the Board of Supervisors.

8. Benefits if Request is approved:

With purchasing one (1) ambulance every year, this will prevent several ambulances from reaching there life expectancy all at the same time. Ambulances should be replaced approximately every six (6) years based on mileage and overall condition. The Fire & Rescue Study in 2001 stated "Budget planning should plan for the replacement of one ambulance per year". Currently an ambulance is replaced every 150,000 – 190,000 miles as needed. In the future as more people call for ambulance service, the sooner these miles will added.

9. Impact if Request is not approved:

Not replacing ambulances on a needed basis will have catastrophic consequences on the community. It is imperative to have reliable emergency apparatus such as ambulances. Patients that are critically ill or injured and that need immediate life saving treatment will be at risk.

10. Included in Master Plan: N/A New: Prev Apprv: Expanded :

11. Effect on other Departments/Other Beneficiaries?

KING GEORGE COUNTY
Capital Improvement Project Request

Request # 2 continued

Department: Fire, Rescue & Emergency Services
Proj. Continued: Ambulance Replacment

12. Project timeline: Beg/End Date: 7/1/2017 to 2/1/2017

13. Additional Space Requirements:

14. Estimated Annual Costs:	Totals	2017-18	2018-19	2019-20	2020-21	2021-22
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Architecture	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchases	\$ 1,250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
Estimated Project Total:	\$ 1,250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000

15. **Estimated Annual Operating Costs upon Completion: MUST BE COMPLETED

	Totals	2017-18	2018-19	2019-20	2020-21	2021-22
Additional Staff Needed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Utilities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maintenance agreements, etc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other, Vehicles, etc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Estimated Operating Costs:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****Note: Must be including in Operating Budget.**

16. Attachments:

****Below Area to be completed by Finance Department **Except #18 Grant Funding:** ****

17. Prior Year Appropriations: \$ - Year

18. Estimated Funding Source:	Totals	2017-18	2018-19	2019-20	2020-21	2021-22
Cash/Local Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
***Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
***Capital Lease	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State/Federal Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

*****Note: Must include Principal and Interest Payments in Operating Budget.**

19. County Administrator's Comments: Recommend/Deny:

20. Board of Supervisors Comments/Recommendations: Recommend/Deny:

21. Date Presented to Board: 22. Date Adopted by Board:

See #4 above * **Urgent** = Must be completed as soon as possible. Regulatory requirement, compliance, mandated. Start < 1 year.
Necessary = Should be done to ensure safety of employees/citizens, etc. Hazardous. Start < 3 years.
Future = No immediate need; Will improve facility, etc. May create savings/efficiencies.
Desirable = Revenue enhancing/Cost saving projects. Income/savings will cover expense of project.

KING GEORGE COUNTY
Capital Project Budget Request

Request # 3

1. Department: **Fire, Rescue & Emergency Services** 2. Date Requested: **3/10/2017**
3. Project Title: **Fire & Rescue Facilities** 4. *Priority: **Urgent**

5. Project Description: Include Location, Size of project, Sq. footage, etc. (attach map)

This project is to replace our current Company 2 and Station 2 in Dahlgren and to build a new Company 4 station in the Shiloh / Jersey district.

6. Reason for Request:

Regulatory Requirement:	<input checked="" type="checkbox"/>	Safety:	<input checked="" type="checkbox"/>	Obsolete:	<input checked="" type="checkbox"/>
Upgrade/ Replace/Renovate:	<input checked="" type="checkbox"/>	Growth:	<input checked="" type="checkbox"/>	Efficiency:	<input checked="" type="checkbox"/>

7. Project Justification: Reason the project is being requested/state regulatory agency if applicable, etc.

Company 2 (Dahlgren) Fire & Rescue Station:
Funds are being requested to design and build a fire & rescue station in the Dahlgren district. Currently the fire department and rescue squad functions are housed into two (2) separate facilities. Both buildings are older and require constant maintenance in order to stay in service. The Co.2 fire station was built and designed to have no bunking / sleeping areas for firefighters to stay overnight and to provided around-the-clock operations. The fire department had turned the upstairs office into a bunkroom, however this was only designed to be used temporarily. There is only one (1) shower in the station and it is located in the men's restroom. The Rescue Station 2 was built in 1954, and houses its office and training areas in a separate building than its ambulances. The ambulance bays do not have A/C, the problem that we face currently is that medications stored on these ambulances have to be temperature maintained, this is a regulation by State Board of Health. Storage in both the fire station and rescue squad has become a major issue. Both facilities were built and designed different than the needs for today. We are requesting funding for land aquisition and for a new combination station that would meet present and future needs for fire & rescue operations. This facility would have fire and rescue apparatus storage bays, office area for filing and making reports, bunkrooms for both male and female overnight sleeping, small physical fitness area, kitchen, dayroom, etc. Also this facility would provide some shared office space for the Sheriff's Office. The operating costs for this proposed new station should be less than operating out of the two seperate facilities that are older and not energy efficient. There should not be any new operating costs with this new facility, however this would be determined by the site and design of the new facility (ex. county sewer or septic, etc.)

Company 4 (Shiloh) Fire & Rescue Station: In order to better meet Department response criteria of responding to 90% of emergencies within 8 minutes we need to look at expanding our fire & rescue facilities to reduce response times in this area of the county. Currently the Shiloh / Jersey areas of the county are primarily served Company 1 and surrounding mutual aid resources. Company 1 has a primary response district of 113

8. Benefits if Request is approved:

Company 2 (Dahlgren) Fire & Rescue Station:
The current Rescue Station 2 and Company 2 building could possibly be used for other County services or be sold to offset some of the cost for the new station. Also operating one (1) new modern combined station is more cost efficient than operating two (2) older seperate stations. This new station would provide modern and state of the art facility for fire, rescue and emergency services needs within the growing Dahlgren district.

Company 4 (Shiloh) Fire & Rescue Station: Citizens, businesses, and visitors will receive a more efficient and faster delivery of emergency services when calling 911. A primary fire and rescue response would not have to come from our current Company 1 which would allow for quicker response times. Adding this station in the county would also reduce ISO ratings on buildings in this area.

9. Impact if Request is not approved:

Company 2 (Dahlgren) Fire & Rescue Station:
Not funding this project would result in operating out of two outdated separate stations that are not conducive to around-the-clock fire & rescue operations. Also as these buildings continue to age they will require significant maintenance costs in the near future in order to stay in operation. Expanding or renovating the station could potentially be an option, however the primary problem that exists is not having enough land and having restrictions on building due to the adjacent wetlands. Company 4 (Shiloh) Fire & Rescue Staion: If this station is not approved than this area of the county will continue to be serviced by Company 1 along with mutual aid resources and extended response times will continue.

10. Included in Master Plan: N/A New: Prev Apprv: Expanded :

11. Effect on other Departments/Other Beneficiaries?

KING GEORGE COUNTY
Capital Project Budget Request

The Sheriff's Office would have some shared office space in the Dahlgren station in order to conduct some work as needed. We have been in communication with the Sheriff and incorporating his needs.

KING GEORGE COUNTY
Capital Project Budget Request

Request # 3 continued

Department: Fire, Rescue & Emergency Services
Proj. Continued: Fire & Rescue Facilities

12. Project timeline: Beg/End Date: to

13. Additional Space Requirements:

14. Estimated Annual Costs:	Totals	2017-18	2018-19	2019-20	2020-21	2021-22
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Architecture	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 10,000,000	\$ 5,000,000	\$ -	\$ -	\$ 5,000,000	\$ -
Equipment Purchases	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Estimated Project Total:	\$ 10,000,000	\$ 5,000,000	\$ -	\$ -	\$ 5,000,000	\$ -

15. **Estimated Annual Operating Costs upon Completion: MUST BE COMPLETED

	Totals	2017-18	2018-19	2019-20	2020-21	2021-22
Additional Staff Needed	\$ 975,000	\$ -	\$ -	\$ -	\$ 975,000	\$ -
Utilities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maintenance agreements, etc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other, Vehicles, etc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Estimated Operating Costs:	\$ 975,000	\$ -	\$ -	\$ -	\$ 975,000	\$ -

****Note: Must be including in Operating Budget.**

16. Attachments:

****Below Area to be completed by Finance Department Except #18 Grant Funding: ****

17. Prior Year Appropriations: \$ - Year

18. Estimated Funding Source:	Totals	2017-18	2018-19	2019-20	2020-21	2021-22
Cash/Local Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
***Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
***Capital Lease	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State/Federal Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

*****Note: Must include Principal and Interest Payments in Operating Budget.**

19. County Administrator's Comments: Recommend/Deny:

20. Board of Supervisors Comments/Recommendations: Recommend/Deny:

21. Date Presented to Board: 22. Date Adopted by Board:

See #4 above * **Urgent** = Must be completed as soon as possible. Regulatory requirement, compliance, mandated. Start < 1 year.
Necessary = Should be done to ensure safety of employees/citizens, etc. Hazardous. Start < 3 years.
Future = No immediate need; Will improve facility, etc. May create savings/efficiencies.
Desirable = Revenue enhancing/Cost saving projects. Income/savings will cover expense of project.

KING GEORGE COUNTY
Capital Improvement Project Request

Request # 4

1. Department: **Fire, Rescue & Emergency Services** 2. Date Requested: **3/10/2017**

3. Project Title: **Replacement of Engine 21** 4. *Priority: **Urgent**

5. Project Description: Include Location, Size of project, Sq. footage, etc. (attach map)
This project is to replace Engine 21 located at the Company 2 Fire & Rescue Station (Dahlgren)

6. Reason for Request:

Regulatory Requirement:	<input checked="" type="checkbox"/>	Safety:	<input type="checkbox"/>	Obsolete:	<input type="checkbox"/>
Upgrade/ Replace/Renovate:	<input checked="" type="checkbox"/>	Growth:	<input type="checkbox"/>	Efficiency:	<input checked="" type="checkbox"/>

7. Project Justification: Reason the project is being requested/state regulatory agency if applicable, etc.
Engine-21 serves as the primary fire suppression pumper at the Fire & Rescue - Company 2 station in Dahlgren. Engine 21 was built in 1995. By 2017 this Engine will have been in service for 22 years and will have served its life expectancy. Once a replacement truck is ordered it will take approximately 8 to 10 months to be built and delivered. Once Engine 21 is replaced it will be used to replace the Reserve Engine 1 and will be used in a reserve capacity. The replacement engine will be able to complete all of the essential functions that our current Engine-21 performs along with some additional rescue operational abilities. Operating cost for this apparatus will be approximately the same, if not less than our current Engine 21. These costs include insurance, fuel, preventive maintenance, etc. However no new additional costs would be added. This request follows the recommendations outlined in the VA Dept. of Fire Programs and VA Office of EMS State Study for King George, as endorsed by the Board of Supervisors.

8. Benefits if Request is approved:
With replacing this fire engine it will benefit the citizens, business and visitors of the County by helping to provide adequate fire protection, suppression and life safety. This engine will also help our department with maintaining a sufficient and safe fleet of fire apparatus to our volunteers and employees and also to maintain current ISO protection ratings throughout the Dahlgren district. The new truck will have additional rescue and fire suppression capabilities that will be needed as the Dahlgren district continues to grow.

9. Impact if Request is not approved:
The citizens, businesses and visitors along with the departments volunteers and employees would be at risk with operating and relying on an outdated apparatus. In addition, maintenance costs will continue to increase due to meeting its life expectancy while using it as a primary apparatus. The trucks powertrain, fire pump, tank, valves, electronics, suspension, etc. will all require overhaul and significant maintenance costs. Also by not replacing this apparatus could affect our County's Insurance Services Office (ISO) rating. This rating directly effects the costs that homeowners and business pay for fire protection insurance premiums.

10. Included in Master Plan: N/A New: Prev Apprv: Expanded :

11. Effect on other Departments/Other Beneficiaries?

KING GEORGE COUNTY
Capital Improvement Project Request

Request # 4 continued

Department: Fire, Rescue & Emergency Services
Proj. Continued: Replacement of Engine 21

12. Project timeline: Beg/End Date: 7/1/2017 to 3/1/2018

13. Additional Space Requirements:

14. Estimated Annual Costs:	Totals	2017-18	2018-19	2019-20	2020-21	2021-22
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Architecture	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchases	\$ 675,000	\$ 675,000	\$ -	\$ -	\$ -	\$ -
Estimated Project Total:	\$ 675,000	\$ 675,000	\$ -	\$ -	\$ -	\$ -

15. **Estimated Annual Operating Costs upon Completion: MUST BE COMPLETED

	Totals	2017-18	2018-19	2019-20	2020-21	2021-22
Additional Staff Needed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Utilities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maintenance agreements, etc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other, Vehicles, etc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Estimated Operating Costs:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****Note: Must be including in Operating Budget.**

16. Attachments:

****Below Area to be completed by Finance Department Except #18 Grant Funding: ****

17. Prior Year Appropriations: \$ - Year

18. Estimated Funding Source:	Totals	2017-18	2018-19	2019-20	2020-21	2021-22
Cash/Local Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
***Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
***Capital Lease	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State/Federal Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

*****Note: Must include Principal and Interest Payments in Operating Budget.**

19. County Administrator's Comments: Recommend/Deny:

20. Board of Supervisors Comments/Recommendations: Recommend/Deny:

21. Date Presented to Board: 22. Date Adopted by Board:

See #4 above * **Urgent** = Must be completed as soon as possible. Regulatory requirement, compliance, mandated. Start < 1 year.
Necessary = Should be done to ensure safety of employees/citizens, etc. Hazardous. Start < 3 years.
Future = No immediate need; Will improve facility, etc. May create savings/efficiencies.
Desirable = Revenue enhancing/Cost saving projects. Income/savings will cover expense of project.

KING GEORGE COUNTY
Capital Improvement Project Request

Request # 5

1. Department: **Fire, Rescue & Emergency Services** 2. Date Requested: **3/10/2017**

3. Project Title: **Stryker Power Load System** 4. *Priority: **Urgent**

5. Project Description: Include Location, Size of project, Sq. footage, etc. (attach map)

This project is to purchase and install six (6) Stryker Power Load systems in six (6) ambulances and to upgrade existing Stryker Power Lift stretchers.

6. Reason for Request:

Regulatory Requirement:	<input checked="" type="checkbox"/>	Safety:	<input checked="" type="checkbox"/>	Obsolete:	<input type="checkbox"/>
Upgrade/ Replace/Renovate:	<input checked="" type="checkbox"/>	Growth:	<input type="checkbox"/>	Efficiency:	<input checked="" type="checkbox"/>

7. Project Justification: Reason the project is being requested/state regulatory agency if applicable, etc.

This project is needed in order to prevent EMS provider fatigue and prevent serious injuries from lifting patients that are sick and/or injured. Currently most EMS patients that are transported to the hospital are in a position in which they cannot walk or are at risk of falling and thus need to be manually loaded on to a stretcher (cot) and lifted into the back of an ambulance. A large number of these patients are adults and can weigh in excess to 300 lbs. This includes the weight of the patient, stretcher, medical equipment, etc. The Stryker Power Load system has a max weight capacity of 700 lbs. This project could be easily justified after receiving one career ending back injury from the lifting a patient. Our Department has had numerous workers compensation injuries from directly related to lifting patients. This Power Load system is the way most of the EMS industry is heading. Many EMS agencies have seen drastic reductions in lifting / back injuries with incorporating this system. We currently utilize the Stryker power cot, so this item would not need to be purchased. In addition, we have received a state Rescue Squad Assistance Fund (RASAF) grant in the amount of \$36,918 to utilize for this project.

8. Benefits if Request is approved:

If approved, I feel confident that this system will reduce EMS worker fatigue and lifting related injuries thus improving work place safety and moral. This system will also allow on some incidents for a reduced man-power response from EMS due to additional assistance not being needed to load the patient in the back of the ambulance.

9. Impact if Request is not approved:

If not approved we will continue business as normal and are much more susceptible to increased EMS worker related injuries due to lifting.

10. Included in Master Plan: N/A New: Prev Apprv: Expanded :

11. Effect on other Departments/Other Beneficiaries?

KING GEORGE COUNTY
Capital Improvement Project Request

Request # 5 continued

Department: Fire, Rescue & Emergency Services
Proj. Continued: Stryker Power Load System

12. Project timeline: Beg/End Date: 7/1/2017 to 8/1/2017

13. Additional Space Requirements:

14. Estimated Annual Costs:	Totals	2017-18	2018-19	2019-20	2020-21	2021-22
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Architecture	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchases	\$ 163,000	\$ 163,000	\$ -	\$ -	\$ -	\$ -
Estimated Project Total:	\$ 163,000	\$ 163,000	\$ -	\$ -	\$ -	\$ -

15. **Estimated Annual Operating Costs upon Completion: MUST BE COMPLETED

	Totals	2017-18	2018-19	2019-20	2020-21	2021-22
Additional Staff Needed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Utilities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maintenance agreements, etc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other, Vehicles, etc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Estimated Operating Costs:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****Note: Must be including in Operating Budget.**

16. Attachments:

****Below Area to be completed by Finance Department Except #18 Grant Funding: ****

17. Prior Year Appropriations: \$ - Year

18. Estimated Funding Source:	Totals	2017-18	2018-19	2019-20	2020-21	2021-22
Cash/Local Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
***Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
***Capital Lease	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State/Federal Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant Funding	\$ 36,918	\$ 36,918	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ 36,918	\$ 36,918	\$ -	\$ -	\$ -	\$ -

*****Note: Must include Principal and Interest Payments in Operating Budget.**

19. County Administrator's Comments: Recommend/Deny:

20. Board of Supervisors Comments/Recommendations: Recommend/Deny:

21. Date Presented to Board: 22. Date Adopted by Board:

See #4 above * **Urgent** = Must be completed as soon as possible. Regulatory requirement, compliance, mandated. Start < 1 year.
Necessary = Should be done to ensure safety of employees/citizens, etc. Hazardous. Start < 3 years.
Future = No immediate need; Will improve facility, etc. May create savings/efficiencies.
Desirable = Revenue enhancing/Cost saving projects. Income/savings will cover expense of project.