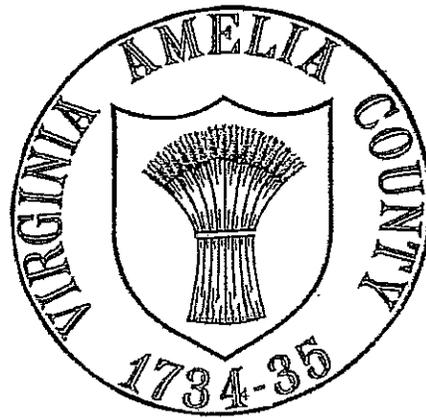


CAPITAL IMPROVEMENT PLAN OVERVIEW



**FISCAL YEARS
2016
THROUGH
2020**

AMELIA COUNTY

request, attach them to your request form. The more information that is made available to the committee, the stronger your request becomes.

When establishing request requirements, mark the appropriate block (urgent, necessary, or desirable) for each request submitted. For those departments submitting more than one request in a single year, identify each request with a priority number (#1 being your highest priority). Remember, only one of these requests will be your number one priority. Each project for the same year will have a different priority number assigned to it. If not, the committee will make that choice for you.

Also, be prepared to meet with the Planning Commission's Capital Improvement Plan Committee to answer any and all question they may have on your project(s).

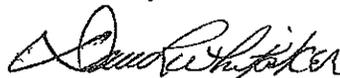
Please do not use this program as a "wish list" or something that would just be nice to have. Keep the projects realistic in scope and assure they support the direction of the County as prescribed in the Comprehensive Plan.

Lastly, this plan is not for vehicle replacements(exception is Fire Department). Vehicles for normal replacement need to be in your annual budget submittals during the regular budgeting process. Only "new requirement" vehicles should be included in the CIP and complete justification must accompany the request. This does not apply to fire vehicles (they will be included in this plan).

The Planning Commission's Capital Improvement Plan Committee will prioritize all requests into a list for review and action by the Board of Supervisors. The Board of Supervisors will make the final determination as to which project(s) will be funded as part of the County's budget process.

All request forms are due back to my office no later than October 24, 2014. If you have any questions concerning this program, do not hesitate to call me at 561-3039.

Sincerely,



David R. Whitaker
Community Development Director

Attachments: Capital Improvement Plan Overview
Capital Project Request Form
Last Year's Submissions

BOARD OF SUPERVISORS
FRANKLIN D. HARRIS
CHAIRMAN
Election District 5
ELLSWORTH J. "JIM" BENNETT
VICE CHAIRMAN
Election District 1
JUDY M. JONES
Election District 2
RALPH A. WHITAKER, JR.
Election District 3
CARROLL E. BARNARD
Election District 4



A. TAYLOR HARVIE, III
COUNTY ADMINISTRATOR

16360 Dunn Street, Suite 101
Post Office Box A
Amelia Court House, Virginia 23002

Telephone: (804) 561-3039
Facsimile: (804) 561-6039
Website: www.ameliacova.com

INTRODUCTION

Each day, the residents of Amelia County use the public systems of streets, roads, sewers, water lines, drains, libraries, sheriff's office, fire stations, schools, parks, recreation centers, Courthouse, and other capital facilities (collectively known as infrastructure) for their business, educational, and social activities. Providing for these essential facilities, which are so often taken for granted, is an expensive undertaking.

The Capital Improvement Plan (CIP) offers a systematic approach to planning and financing major public projects. It emphasizes the achievement of the County's long-range goals through the establishment of the infrastructure necessary to attain the local objectives as determined by the Comprehensive Plan and other planning documents. Local and regional planning policies and constraints are recognized in the development of the community.

The CIP is intended to provide a short-to-medium range strategic guide for planning, building, maintaining, and servicing capital projects to enhance the growth and redevelopment of the County over future years.

A five year time frame is utilized to provide a flexible, yet workable, period for implementing the medium-term goals of the County.

ADVANTAGES OF A CAPITAL IMPROVEMENT PLAN

A capital planning document offers the County a number of advantages:

1. It serves as a management tool to assess programs and develop priorities based on current and future development patterns and needs.
2. The plan provides an investment strategy to ensure that resources are utilized for projects that maximize social benefit and within that context, return on expenditure.
3. The plan provides a basis for a balanced program between growth and replacement projects, and between economic and social concerns.
4. The plan attempts to anticipate capital projects ahead of actual need, thus permitting adequate time for planning, scheduling and financing these projects.
5. The capital plan can help secure intergovernmental assistance for identified community needs.
6. A greater degree of interdepartmental cooperation is encouraged in the process of identifying and discussing the County's needs and programming solutions to those needs.

MISSION OF THE BOARD OF SUPERVISORS

To provide open responsive leadership for the County of Amelia and improve the quality of life for all the citizens.

7. The CIP promotes economic vitality by enabling developers and public utility companies to plan improvements in anticipation of future capital facilities.
8. The CIP aids in developing public support for future capital expenditures.
9. Allows coordination of private development and public facilities.
10. Allows phasing for larger projects.

CONSIDERATIONS IN PLAN DEVELOPMENT

In summary, this CIP is based on the goals and objectives of this County's Comprehensive Plan, but it also considers the following factors:

1. infrastructure master plans, e.g., transportation plan;
2. policy guidelines as established by the governing body;
3. local growth patterns;
4. regional growth trends;
5. economic and demographic trends;
6. housing patterns;
7. public needs as identified through forums, surveys, etc.;
8. fiscal constraints.

CAPITAL IMPROVEMENT PLAN - ISSUES AND OVERVIEW

Planning and prioritizing capital expenditures efficiently cannot be done on a spontaneous, short-term basis. Because of their high cost and long-range impact on a community, capital projects should be carefully planned, scheduled, financed, and constructed. The intent of this five-year plan is to provide a framework for evaluating Amelia County's needs against available revenue sources. This permits the Board of Supervisors to develop priorities within budgetary constraints. The document is intended to provide direction for growth and development, but it should be updated annually to reflect changing conditions.

ISSUES TO BE ADDRESSED

In developing the County's capital plan, a number of issues must be addressed:

1. How to allocate resources between the operating budget and the capital budget?
2. What type of capital projects should be funded, i.e., sewer, water, drains, streets, parks, etc.?
3. How to encourage selection of the most cost effective projects?
4. When and where projects are built?

CAPITAL PLAN OBJECTIVES

The Capital Improvement Plan is intended to meet two primary objectives:

- 1) The plan should provide for the efficient use of the County's resources.
- 2) The program should distribute the benefits of the capital plan in an equitable manner based upon need.

CAPITAL IMPROVEMENT PLAN PROCEDURES AND POLICIES

This document provides recommendations and direction for future expenditures. Although specific projects are recommended, it is expected that project priorities will change, especially in the out years, as the County's needs change to reflect unanticipated problems or issues, as well as funding opportunities.

PROCEDURES:

The development of a draft capital plan is the responsibility of the Capital Improvement Plan Committee of the Planning Commission. This Committee is composed of the Chairman of the Planning Commission, four members of the Planning Commission, including the Board's representative, the County Administrator, and the Community Development Director. The CIP Committee reviews the proposed projects, examines project cost estimates, and provides a recommended five-year capital improvement program. The CIP is reviewed and approved by the County's Planning Commission and forwarded to the Board of Supervisors for action.

HIGHLIGHTS OF THE CAPITAL IMPROVEMENT PROGRAM

This document represents an annual revision to the Capital Improvement Plan. Each department and agency affiliated with the County is afforded the opportunity to submit projects for inclusion in this five-year program.

The Capital Improvement Plan provides an assessment of the County's public facilities and identifies projects to address needs over future years in a systematic fashion. This Capital Improvement Plan focuses on the role of local government's fiscal policy as a means of achieving the equitable delivery of services; establishing a pattern of routine maintenance of publicly-owned buildings and facilities; and guiding the future development and economic vitality of the County.

LEGAL AUTHORITY FOR CAPITAL IMPROVEMENT PROGRAMMING

The development of a Capital Improvement Program is authorized by Section 15.2-2239 of the Code of Virginia, 1950, as amended. The enabling legislation is as follows:

A local (planning) commission may, and at the direction of the governing body shall, prepare and revise annually a capital improvements program based on the comprehensive plan of the county or municipality for a period not to exceed the ensuing five years. The commission shall submit the same annually to the governing body, or to the chief administrative officer or other official charged with the preparation of the budget for the municipality or county, at such time as it or he shall direct. Such capital improvement program shall include the commission's recommendations and estimates of cost of such facilities and the means of financing them, to be undertaken in the ensuing fiscal year and in a period not to exceed the next four years, as the basis of the capital budget for the county or municipality. In the preparation of its capital budget recommendations, the commission shall consult with the chief of the

county or municipality, the heads of departments and interested citizens and organizations, and shall hold such public hearings as it deems necessary unless otherwise required.

CAPITAL IMPROVEMENT PLAN PROJECT DETERMINATION

In general, capital improvements should fall into one of the following broad categories:

1. new construction;
2. major repairs, replacements, and/or additions;
3. land acquisition and/or rights-of-ways;
4. new major equipment;
5. feasibility studies, including planning and engineering costs.

Capital improvements generally are considered to be projects of large size, non-recurring, fixed in nature, and having a long usable life. New, additional, or replacement public facilities are also examples of such improvements. Other examples of capital improvements are as follows:

1. water mains, storm water lines, and sanitary sewers;
2. new road construction and programmed road repairs;
3. parks, playgrounds, and recreational centers;
4. public building construction and rehabilitation;
5. land acquisition; and
6. major equipment acquisitions.

PROJECT REVIEW CRITERIA

Each project request is evaluated individually on the basis of the following major criteria:

1. the relationship of the project to the approved comprehensive plan;
2. cost effectiveness of the new or renovated facility over existing facilities;
3. the relationship of the project to other project requests;
4. the need for the project to meet the mandates and objectives of the requesting agency;
5. the potential for encouraging investment and expanding the County's economic base;
6. a minimum total cost of \$15,000; and
7. having a working life span of at least three (3) years.

DIVISION OF PROJECT REQUESTS

As a part of the project evaluation process, each Department/Agency is asked to rank their requests in order of priority. Each request is subsequently evaluated by the Capital Improvement Plan Committee and compared to the aforementioned criteria. Upon completion of the evaluation process, projects are divided by the Committee into three (3) priority groups. These groups, in order of priority, are as follows:

URGENT: these are projects of the highest priority. Such projects should be given attention and are recommended for implementation during Fiscal Year 2016.

NECESSARY: these are projects that are recommended for implementation during the ensuing four years of the Capital Improvement Plan, Fiscal Years 2016-2020.

DESIRABLE: Desirable projects are those which after evaluation are not recommended for inclusion in the Capital Improvement Plan by the Committee. These requests should be evaluated at the next annual CIP revision.

The Urgent and Necessary projects comprise the recommended five-year Capital Improvement Plan.

CURRENT PROJECTS

FY 2016

UNPAVED ROADS AMELIA COUNTY

<u>Road Name</u>	<u>Route</u>	<u>Length</u>	<u>Houses</u>	<u>Cost per House</u>	<u>Est Cost</u>	<u>AADT</u>	<u>Remarks</u>
Rodolph Road	620	2.71	20	\$ 18,970	\$379,400	150	good
Selma Road	657	3.07	16	\$ 26,863	\$429,800	70	west - good ; east-good
Cousins Lane	646	2.4	15	\$ 22,400	\$336,000	110	excellent
Rock Castle Lane	608	1.7	13	\$ 18,308	\$238,000	130	Rock Castle Lane - excellent
Shady Lane	688	0.6	12	\$ 7,000	\$84,000	80	good
Bailey Lane	735	0.47	12	\$ 5,483	\$65,800	60	excellent
W Bunker Hill Road	619	3.85	12	\$ 134,750	\$539,000	90	1.75 miles from PE line
Eggleston Lane	638	1.15	11	\$ 14,364	\$161,000	110	good
Bell Road	650	1.6	10	\$ 22,400	\$224,000	170	good
Morris Lane	684	0.7	10	\$ 9,800	\$98,000	100	good
Poor House Road	603	2.3	10	\$ 32,200	\$322,000	100	good
Rocky Branch Lane	692	0.65	9	\$ 10,111	\$91,000	110	good
Haw Branch Lane	667	1	8	\$ 17,500	\$140,000	90	good
Bird Grove Lane	691	0.7	8	\$ 12,250	\$98,000	80	fair to good
Prides Lane	714	0.5	8	\$ 8,750	\$70,000	70	good
Crooked Run Branch Lane	715	0.5	6	\$ 11,667	\$70,000	60	excellent
Fowles Bridge Road	621	2	6	\$ 46,667	\$280,000	200	good
Bookers Lane	723	0.15	4	\$ 5,250	\$21,000	70	excellent
Buckskin Creek Road	640	1.25	4	\$ 43,750	\$175,000	140	at Buckskin Creek; good
Obslo Lane	672	1.1	4	\$ 37,750	\$151,000	60	good
Glebe Lane	1015	0.06	4	\$ 2,100	\$8,400	60	good
Forest Hill Lane	709	1	4	\$ 35,000	\$140,000	30	good
Townes Lane	663	0.5	4	\$ 23,333	\$70,000	40	good to fair
Stony Point Road	620	1.8	3	\$ 84,000	\$252,000	90	good
Poor House Court	701	0.5	3	\$ 23,333	\$70,000	40	good
Hillsman Lane	707	0.7	3	\$ 32,667	\$98,000	30	good
Linden Lane	664	0.7	3	\$ 32,667	\$98,000	20	fair to good
Bland Lane	694	0.8	2	\$ 56,000	\$112,000	30	good
Brackets Bend Lane	636	0.5	2	\$ 35,000	\$70,000	20	fair
Ebenezer Road	693	0.1	2	\$ 7,000	\$14,000	20	good
Namozine Road	615	3.7	1	\$ 518,000	\$518,000	70	fair to poor @ bridge
Allen Lane	601	0.7	1	\$ 98,000	\$98,000	5	excellent to good
Selma Road	657	0.65	0	\$ 91,000	\$91,000	20	poor

CAPITAL IMPROVEMENT PROJECT REQUEST

(1) Office/Department Public Works, Maintenance Department	Planning Commission Use												
(2) Project Title County Park Bathroom Addition	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;">Urgent</td> <td style="text-align: center; border: none;">Necessary</td> <td style="text-align: center; border: none;">Desirable</td> </tr> <tr> <td style="text-align: center; border: 1px solid black; width: 30px; height: 15px;"> </td> <td style="text-align: center; background-color: black; width: 30px; height: 15px;"> </td> <td style="text-align: center; border: 1px solid black; width: 30px; height: 15px;"> </td> </tr> <tr> <td colspan="3" style="border: none; padding-top: 10px;"> Project Priority: <u> 1 </u> </td> </tr> <tr> <td colspan="3" style="border: none; padding-top: 5px;"> Year Required: <u> 2016 </u> </td> </tr> </table>	Urgent	Necessary	Desirable				Project Priority: <u> 1 </u>			Year Required: <u> 2016 </u>		
Urgent	Necessary	Desirable											
Project Priority: <u> 1 </u>													
Year Required: <u> 2016 </u>													
(3) Project Description (Include sketches, appraisals, plans, etc.) This project consist of adding handicap accessible bathrooms and a handicap ramp to the rear of the Exhibit Building.													
(4) Project Justification (Include ramifications if project is not implemented) The bathrooms in the Exhibit Building are outdated and not handicap accessible.													
Attachment # (5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$41,000.00													
Attachment # 1 Data Source: Previous completed const. projects													
(6) Funding source(s) <table style="width:100%; border: none;"> <tr> <td style="width:50%; border: none;"> ◇ Current Revenue _____ </td> <td style="width:50%; border: none;"> ◇ Grant (Type) _____ </td> </tr> <tr> <td style="border: none;"> ◇ Revenue Bond _____ </td> <td style="border: none;"> ◇ Loan (Type) _____ </td> </tr> <tr> <td style="border: none;"> ◇ General Obligation Bond _____ </td> <td style="border: none;"> ◇ Special Assessment _____ </td> </tr> <tr> <td style="border: none;"> ◇ Capital Reserve Fund _____ </td> <td style="border: none;"> ◇ Other _____ </td> </tr> </table>	◇ Current Revenue _____	◇ Grant (Type) _____	◇ Revenue Bond _____	◇ Loan (Type) _____	◇ General Obligation Bond _____	◇ Special Assessment _____	◇ Capital Reserve Fund _____	◇ Other _____					
◇ Current Revenue _____	◇ Grant (Type) _____												
◇ Revenue Bond _____	◇ Loan (Type) _____												
◇ General Obligation Bond _____	◇ Special Assessment _____												
◇ Capital Reserve Fund _____	◇ Other _____												
Requestor: <u>Daryl L. Gough, Director of Public Works</u> Date: <u>10/26/2013</u>													
Planning Commission Meeting _____ Date/Time													
Planning Commission Comments: _____ _____ _____													

2

**Cost Estimate
County Park Bathroom Addition
October 20, 2013**

Construction

1 LS	Demo	\$ 750.00	LS	\$ 750.00
1 LS.	Site Work	\$ 1,600.00	LS	\$ 1,600.00
1 LS	ADA Ramp	\$ 7,500.00	LS	\$ 7,500.00
300 Sqft	Construction	\$ 80.00	Sqft	\$ 24,000.00
	Construction Subtotal			\$ 33,850.00

Engineering

1 Ea	Engineering and Contract Administration			\$ 3,385.00
	Lump Sum Subtotal			\$ 3,385.00
	Total of Construction and Lump Sum Items			\$ 37,235.00
	10 % Contingencies			\$ 3,723.50
	Total Project Estimate			\$ 40,958.50

Notes:

This estimate is to construct a 300 sqft addition onto the Exhibit Building located at the County Park. The addition will be for handicap accessible bathrooms and a handicap entrance to the rear of the building. The bathrooms will be accessible for inside and outside events. The project will be completed using Public Work staff and subcontractors.



Capital Improvement Project Request

(1) Office/Department Amelia Parks & Recreation Department	Planning Commission Use
--	-------------------------------

(2) Project Title Community Skate Park	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; border-bottom: 1px solid black;">Urgent</td> <td style="text-align: center; border-bottom: 1px solid black;">Necessary</td> <td style="text-align: center; border-bottom: 1px solid black;">Desirable</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	Urgent	Necessary	Desirable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Urgent	Necessary	Desirable					
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
Project Priority _____ Year Required <u>2016</u>							

(3) Project Description (Include Sketches, appraisals, plans, etc.) Joe Paulette Memorial Park - (behind the Pavillion area) this area needs to be renovation so that this piece of parcel can house a skateboard park for community skateboarders, rollerbladers and BMX riders.	
Attachment # Picture of location	

(4) Project Justification (Include ramifications if project is not implemented) We have at least 6 dozen+ skateboarders in our community and they are always skating on the sidewalks, along side the bricks borders on businesses, hand rails etc. If you give them a place to use that will elevate the destruction to the County and local business properties. Signs have been erected all around the county telling them not to skateboard on this or that, give them somewhere to go and this will help cut down on the vandalism. It is possible to get the community involved to help donate materials; need to partner with the skateboarders to make sure of the facility that will accommodate their sport. This would allow us to get them on board with us to ensure use and design will create enough competition.	
Attachment # DVD #1	

(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction)																
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Construction</td> <td style="width: 35%;">\$ <u>10,000</u> concrete</td> <td style="width: 50%; vertical-align: top;"> Data Source: American Ramp Company, Musico's, California Skates, Maintenance, Lowe's, Tony Hawk Foundation </td> </tr> <tr> <td>Equipment \ Furniture</td> <td>\$ <u>15,000</u> fencing</td> <td></td> </tr> <tr> <td></td> <td>\$ <u>10,000</u> lighting</td> <td></td> </tr> <tr> <td></td> <td>\$ <u>25,000</u> rails, ramps, etc. 125 x 60 steel construction</td> <td></td> </tr> <tr> <td>Total</td> <td>\$ <u>60,000</u></td> <td></td> </tr> </table>	Construction	\$ <u>10,000</u> concrete	Data Source: American Ramp Company, Musico's, California Skates, Maintenance, Lowe's, Tony Hawk Foundation	Equipment \ Furniture	\$ <u>15,000</u> fencing			\$ <u>10,000</u> lighting			\$ <u>25,000</u> rails, ramps, etc. 125 x 60 steel construction		Total	\$ <u>60,000</u>		
Construction	\$ <u>10,000</u> concrete	Data Source: American Ramp Company, Musico's, California Skates, Maintenance, Lowe's, Tony Hawk Foundation														
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	\$ <u>10,000</u> lighting															
	\$ <u>25,000</u> rails, ramps, etc. 125 x 60 steel construction															
Total	\$ <u>60,000</u>															
Attachment # Samples # 2 Box with samples of construction used for ramp, rails and catalog attached																

(6) Funding Source(s)			
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Current Revenue _____ <input type="checkbox"/> Revenue Bond _____ <input type="checkbox"/> General Obligation Bond _____ <input type="checkbox"/> Capital Reserve Fund _____ </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Grant (Type) _____ <input type="checkbox"/> Loan (Type) _____ <input type="checkbox"/> Special Assessment _____ <input type="checkbox"/> Other _____ </td> </tr> </table>	<input type="checkbox"/> Current Revenue _____ <input type="checkbox"/> Revenue Bond _____ <input type="checkbox"/> General Obligation Bond _____ <input type="checkbox"/> Capital Reserve Fund _____	<input type="checkbox"/> Grant (Type) _____ <input type="checkbox"/> Loan (Type) _____ <input type="checkbox"/> Special Assessment _____ <input type="checkbox"/> Other _____	
<input type="checkbox"/> Current Revenue _____ <input type="checkbox"/> Revenue Bond _____ <input type="checkbox"/> General Obligation Bond _____ <input type="checkbox"/> Capital Reserve Fund _____	<input type="checkbox"/> Grant (Type) _____ <input type="checkbox"/> Loan (Type) _____ <input type="checkbox"/> Special Assessment _____ <input type="checkbox"/> Other _____		

Requestor: Glen B. Wilkerson, Director ACP&R Date: 10-1-13

Planning Commission Meeting: _____
Date/Time

Planning Commission Comments: _____

601 McKinley
 Joplin, MO 64801
 Toll-free 877-RAMP-778
 Local 417-206-8816
 Fax 417-206-8888
 sales@americarrampcompany.com



Quote #	Design #	FOB
01806 RI	5576	Amelia, VA

Item	Obstacle	Height	Width	Length
1	Quarter Pipe	4.0'	4.0'	11.0'
2	Quarter Pipe	4.0'	4.0'	11.0'
3	Grind Rail, Kinked (Round)	1.5'	2"	13.0'
4	Launch Ramp (Wedge)	2.0'	4.0'	5.0'
5	Launch Ramp (Wedge)	2.0'	4.0'	5.0'
6	Launch Ramp (Wedge)	2.0'	4.0'	5.0'
7	Launch Ramp (Wedge)	2.0'	4.0'	5.0'
8	Grind Rail (Round)	1.5'	2"	20.0'
9	Bank Ramp	4.0'	4.0'	13.0'
10	Bank Ramp	4.0'	4.0'	13.0'

Subtotal \$20,685.96
 Framework Enclosures \$2,068.60
 Freight FREE
 Installation \$2,068.60
TOTAL \$24,823.16

Estimated Monthly Payment, 5 Month Terms \$498.95

- Notes:**
- Framework Enclosures Optional.
 - Concrete flatwork not included in cost, concrete specs can be provided for local bid.
 - For supervised community build in lieu of full installation, deduct 50% from installation.
 - If your project is subject to prevailing wage, bonding requirements, or sales tax, call for revised quote.



Purchase through our competitively bid government NJPA contract.
WE LOOK FORWARD TO BUILDING YOU A GREAT SKATE PARK!

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60



November 4, 2014

To: Carolyn Jackson

Ref: Amelia County Parks & Recreation -- Skate Park

Concrete Mix Designs

All standard mix designs include Fly Ash (ASTM C 618, Class F).

62 cubic yards - 3000 PSI Concrete (ASTM C 150, Type I/II, Gray) at \$94.00/ yd³

\$5,828.00

Air Entrainment (ASTM C 260) -- added at no extra charge

Total for this Order:

\$5,828.00

I you have any questions please don't hesitate to contact me.

Best Regards,

Brent Tennefoss
Assistant Plant Manager



WWW.AMERICANRAMPCOMPANY.COM

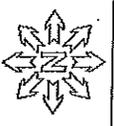
601 McKinley
 Joplin, MO 64801
 Tel: (417) 206-6816
 Toll Free: (800) 949-2024
 Fax: (417) 206-6888
 sales@americanrampcompany.com

DRAWN BY Brett Weber
DATE 10/31/2014

REP. AGENCY
 American Ramp Company

REP. NAME
 Robb Jones

REP. PHONE
 417 206 6816 x 119



CUSTOMER APPROVAL _____ **DATE** _____

PARK ENCLOSED?

PRO SERIES

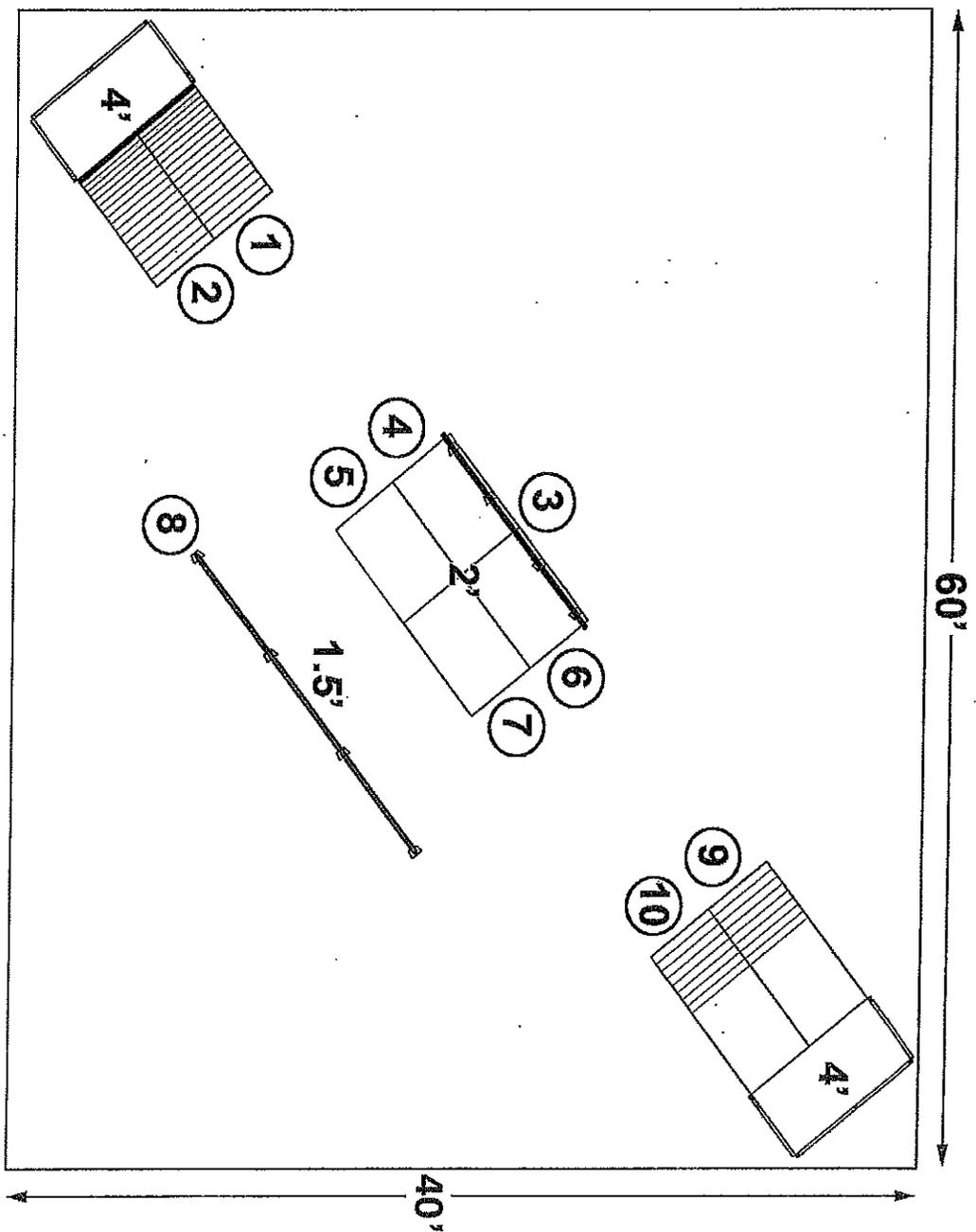
X SERIES

STEALTH SERIES

STEALTH CLASSIC SERIES

PROJECT NAME
 Amelia Skate Park

DESIGN NO. 5576



CLICK HERE TO VIEW DESIGN VIDEOS

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**Amelia Skate Park
Amelia Court House, VA
Date: November 5, 2014**

Materials Estimate – Sales tax, labor and unloading of the equipment are not included as part of this estimate

Musco's Light Structure Green™ as described below and delivered to the job site

Option 1: \$28,000 – \$32,000

- **Equipment Description:**
 - Pre-cast concrete bases, Galvanized steel poles, UL Listed remote electrical component enclosures, Pole length wire harness, 1500w Factory-aimed and assembled luminaires
- **Warranty:**
 - Musco Constant 25™ product assurance and warranty program that eliminates 100% of your maintenance costs for 25 years, including labor and materials
 - Guaranteed constant light levels for 25 years
 - (1) Group re-lamps at the end of the lamps' rated life
- **Controls:**
 - Control Link® Control & Monitoring System for flexible control and solid management of your lighting system
 - Lighting Contactor Cabinet with contactors sized for voltage and phasing at site

Option 2: \$23,750 – \$26,750

- **Equipment Description**
 - Pre-cast concrete bases, Galvanized steel poles, UL Listed remote electrical component enclosures, Pole length wire harness, 1500w Factory-aimed and assembled luminaires
- **Warranty:**
 - 10-Year warranty including ten years parts, two years labor. Lamps are warranted for two years, with the first year including lamps and labor, and the second year lamps only
- **Controls:**
 - Lighting Contactor Cabinet with contactors sized for voltage and phasing at site

Option 3 \$15,000 – \$17,000

- **Equipment Description:**
 - Factory aimed and assembled pole top luminaire assemblies, 1500-watt metal halide fixtures, UL Listed remote electrical component enclosures, Mounting hardware for the pole top units and electrical component enclosures, Pole length wire harness, Disconnects
- **Warranty:**
 - 10-Year warranty including ten years parts, two years labor. Lamps are warranted for two years, with the first year including lamps and labor, and the second year lamps only
- **Controls:**
 - Lighting Contactor Cabinet with contactors sized for voltage and phasing at site

Installation Estimate: \$19,000 – \$23,000

- **Installation Estimate for Option 1 above**
 - Offloading, assembly and installation of the Musco equipment, installation of branch circuits from main disconnect panel to each pole location and installation of the main disconnect panel by a licensed electrical contractor will be provided by others
 - Musco is a lighting manufacturer and not an electrical contractor. Installation estimates are based upon projects similar in scope.

- Getting electrical power to the site, coordination with the utility, and any power company fees are responsibility of the owner.
- Standard soil conditions. Rock, bottomless, wet or unsuitable soil may require additional engineering, special installation methods and additional cost

Payment Terms – As agreed upon between Musco Sports Lighting LLC Credit Department and Customer

Musco will make every effort to coordinate shipment so that delivery corresponds with the customer's payment schedule. We will expect payment within the terms described above unless there is a written statement from Musco's corporate headquarters stating the acceptance of different terms. Delivery to the job site from the time of order, submittal approval, and confirmation of order details including voltage and phase, pole locations is approximately 30-45 days.

Pricing furnished is effective for 60 days unless otherwise noted and is considered confidential.

Notes

Quote is based on:

- Shipment of entire project together to one location
- Skate Park size of 150' for 50'
- System will be manufactured to existing voltage and phasing at site
- Confirmation of pole locations prior to production

Thank you for considering Musco for your sports-lighting needs. Please contact me with any questions.

Steve Wiley

Sales Representative

Musco Sports Lighting

Phone: 804-836-6785

E-mail: steve.wiley@musco.com

Fax: 800-374-6402

CAPITAL IMPROVEMENT PROJECT REQUEST

(1) Office/Department Amelia County Dept. of Emergency Management	Planning Commission Use
(2) Project Title Generator for High School	Urgent Necessary Desirable <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Project Priority <u>Urgent</u> Year Required <u>2016</u>
(3) Project Description (Include sketches, appraisals, plans, etc.) This project is for the replacement of the existing generator located at the high school. The new generator will be larger and provide enough power to cover the main portion of the high school that will be used as an emergency shelter. This is phase one of the project.	
(4) Project Justification (Include ramifications if project is not implemented) Amelia County must be prepared to establish an emergency shelter in times of disaster. The school buildings are the closest suitable public buildings within the county. None of the existing building have adequate emergency power generation capabilities. After studying each building's emergency power needs, along with studying the building Attachment # 1 cont.	
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction). \$117,733 This is the cost of Phase One of this project. See Attachment #2 for breakdown and details. Attachment #2 Data Source: See Attachment #2 for sources	
(6) Funding source(s) ◇ Current Revenue _____ ◇ Grant (Type) _____ ◇ Revenue Bond _____ ◇ Loan (Type) _____ ◇ General Obligation Bond _____ ◇ Special Assessment _____ ◇ Capital Reserve Fund <u>X</u> _____ ◇ Other _____	
Requestor <u>Kent Emerson</u> Date <u>10/24/14</u> Planning Commission Meeting _____ Date/Time Planning Commission Comments: _____ _____ _____	

6



Amelia County
Department of Emergency Management



**2016 CIP Request
Generator for High School
Attachment #1**

(4) Project Justification (cont.)

best suited to serve as an emergency shelter, the High School was determined to be the best suited to serve as the county's emergency shelter. This generator project will allow Amelia County to be better prepared to provide emergency sheltering and associated services to the citizens of Amelia County.

This is Phase One of this project. Phase One of this project will provide for backup electrical power to most of the school area needed for emergency shelter operations. This phase will replace the existing backup electrical generator at the school.



Amelia County
Department of Emergency Management



2016 CIP Request
Generator for High School
Attachment #2

(5) Cost (cont.)

Cost Estimate
Emergency Generator Replacement
High School Shelter Phase I
October 24, 2014

Construction					
1	Ea	Removal of Existing Generator	\$ 2,500.00	Ea	\$ 2,500.00
1	Ea	350 KW Generator	\$ 77,000.00	Ea	\$ 77,000.00
1	Ea	Electrical Connections	\$ 15,000.00	Ea	\$ 15,000.00
1	Ea	Fence Installation	\$ 1,800.00	Ea	\$ 1,800.00
1	Ea	Site Work (Concrete Pad & Conduit)	\$ 1,000.00	Ea	\$ 1,000.00
		Construction Subtotal			\$ 97,300.00
Engineering					
1	Ea	Engineering and Contract Administration			\$ 9,730.00
		Lump Sum Subtotal			\$ 9,730.00
		Total of Construction and Engineering			\$ 107,030.00
		10 % Contingencies			\$ 10,703.00
		Total Project Estimate			\$ 117,733.00
Notes:					

This estimate is for the replacement of the existing generator located at the high school. The new generator will be larger and provide enough power to cover the main portion of the high school that will be used as an emergency shelter. The project to provide emergency power to the high school will be broken down into 2 phases. Phase II of the project will equip the auditorium portion of the school with a second generator.

Provided by the Amelia County Department of Public Works

<p>(1) Office/Department Amelia County Public Schools</p>	<p>Planning Commission Use</p>
<p>(2) Project Title</p> <p style="text-align: right;">Urgent <input checked="" type="checkbox"/> Necessary <input type="checkbox"/> Desirable <input type="checkbox"/></p> <p>Replacing AC/Heating units in the Middle/Elementary Schools</p> <p style="text-align: right;">Priority <u>1</u> Year Required <u>2016</u></p>	
<p>(3) Project Description (Include sketches, appraisals, plans, etc.) Division-wide climate control system</p> <p>Attachment</p>	
<p>(4) Project Justification (Include ramifications if project is not implemented) With new AC /Heating units the division can provide a more nurturing environment to our students. Also will assist with reducing our energy consumption.</p> <p>Attachment #</p>	
<p>(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) Planning/Engineering/Legal Acquisition \$10,000.00 /Construction /390,000 Equipment Total \$133,000 Phase II</p> <p>Attachment# _____ Data Source: Mid-Contract Controls</p>	
<p>(6) Funding source(s)</p> <p> <input checked="" type="checkbox"/> Current Revenue <input type="checkbox"/> Grant (Type) _____ <input type="checkbox"/> Revenue Bond _____ <input type="checkbox"/> Loan (Type) _____ <input type="checkbox"/> General Obligation Bond _____ <input type="checkbox"/> Special Assessment _____ <input type="checkbox"/> Capital Reserve Fund _____ <input type="checkbox"/> Other _____ </p>	

Requestor Catherine K. Wilkinson Date October 23, 2014

Planning Commission Meeting _____
Date/Time _____

Planning Commission Comments: _____

⑦

Fire Station Pavement Improvements

Amelia County, Virginia

COST ESTIMATE

November 6, 2014

DESCRIPTION	QUANTITY	COST/UNIT	TOTAL COST
Amelia Co. 1 (1,350sqyds)			
Earthworks & Fine Grading	1,350 sqyds	\$10.00 /sqyd	\$13,500
Stone base (4" average)	330 Ton	\$30.00 /ton	\$9,900
Asphalt Pavement (3" base, 2" surface)	410 Ton	\$125.00 /ton	\$51,250
Pavement Stripping, and other misc	1 LS	\$2,500 LS	\$2,500
E&S Controls, Seeding, & Restoration	1 LS	\$7,500 LS	\$7,500
Construction Staking	1 LS	\$1,750 LS	\$1,750
Demo	800 sqyds	\$7.50 /sqyd	\$6,000
Curb and Gutter	170 Inft	\$35	\$5,950
Radio Tower (guide wire relocation)	1 LS	\$5,000 LS	\$5,000
Bidding & Contract Admin (5%)	1 LS	\$5,168 LS	\$5,168
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$11,152 LS	\$11,152
		Sub-total	\$122,669
Mannboro Co. 2 (2,800sqyds)			
Earthworks & Fine Grading	2,800 sqyds	\$7.50 /sqyd	\$21,000
Stone base (4" average)	690 Ton	\$30.00 /ton	\$20,700
Asphalt Pavement (3" base, 2" surface)	850 Ton	\$125.00 /ton	\$106,250
Pavement Stripping, and other misc	1 LS	\$3,000 LS	\$3,000
E&S Controls, Seeding, & Restoration	1 LS	\$7,000 LS	\$7,000
Construction Staking	1 LS	\$2,250 LS	\$2,250
Bidding & Contract Admin (.5%)	1 LS	\$8,010 LS	\$8,010
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$17,121 LS	\$17,121
		Sub-total	\$188,331
Jetersville Co. 3 (1,550sqyds)			
Earthworks & Fine Grading	1,550 sqyds	\$7.50 /sqyd	\$11,625
Stone base (4" average)	385 Ton	\$30.00 /ton	\$11,550
Asphalt Pavement (3" base, 2" surface)	470 Ton	\$125.00 /ton	\$58,750
Pavement Stripping, and other misc	1 LS	\$2,500 LS	\$2,500
E&S Controls, Seeding, & Restoration	1 LS	\$5,000 LS	\$5,000
Construction Staking	1 LS	\$1,750 LS	\$1,750
Bidding & Contract Admin (5%)	1 LS	\$4,559 LS	\$4,559
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$9,873 LS	\$9,873
			\$108,607
Mattoax Co. 4 (585sqyds HD + 650sqyds LD)			
Earthworks & Fine Grading	1,235 sqyds	\$7.50 /sqyd	\$9,263
Stone base (4" average)	300 Ton	\$30.00 /ton	\$9,000
Asphalt Pavement (3" base, 2" surface)	255 Ton	\$125.00 /ton	\$31,875
Pavement Stripping, and other misc	1 LS	\$2,500 LS	\$2,500
E&S Controls, Seeding, & Restoration	1 LS	\$5,000 LS	\$5,000
Construction Staking	1 LS	\$1,750 LS	\$1,750
Bidding & Contract Admin (5%)	1 LS	\$2,969 LS	\$2,969
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$6,536 LS	\$6,536
			\$71,893
Paineville Co. 5 (1675sqyds)			
Earthworks & Fine Grading	1,675 sqyds	\$7.50 /sqyd	\$12,563
Stone base (4" average)	420 Ton	\$30.00 /ton	\$12,600
Asphalt Pavement (3" base, 2" surface)	515 Ton	\$125.00 /ton	\$64,375
Pavement Stripping, and other misc	1 LS	\$3,000 LS	\$3,000
E&S Controls, Seeding, & Restoration	1 LS	\$5,000 LS	\$5,000
Construction Staking	1 LS	\$1,750 LS	\$1,750
Bidding & Contract Admin (5%)	1 LS	\$4,964 LS	\$4,964
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$10,725 LS	\$10,725
		Sub-total	\$117,977
Construction Total			\$609,477
Engineering (Design Only)			\$30,474
Project Total			\$639,951

Note: This estimate is based on rough quantities for each location, an updated cost estimate will be available at the completion of the design phase.

CAPITAL IMPROVEMENT PROJECT REQUEST

(1) Office/Department Amelia County Sanitary District, Wastewater Department	Planning Commission Use
(2) Project Title Smack's Creek Force Main Upgrade/Relocation	Urgent <input checked="" type="checkbox"/> Necessary <input type="checkbox"/> Desirable <input type="checkbox"/> Project Priority: <u>1</u> Year Required: <u>2016</u>
(3) Project Description (Include sketches, appraisals, plans, etc.) The upgrade and relocation of 2770 linear feet of 6" force main from the Smack's Creek pumping station.	
Attachment # _____	
(4) Project Justification (Include ramifications if project is not implemented) This project will upgrade and relocate a 6" cast iron force main that was originally installed in 1964. Areas of the line that have been exposed are showing signs of deterioration. The new force main will be relocated to discharge into the Interceptor Sewer which will increase capacity on the Courthouse Branch line. \$ 25,000.00 was budgeted in 2014 for the design and engineering for this project.	
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$150,000.00	
Attachments, 2 Data Source: B&B Consultants	
(6) Funding source(s) ◇ Current Revenue _____ ◇ Grant (Type) _____ ◇ Revenue Bond _____ ◇ Loan (Type) _____ ◇ General Obligation Bond _____ ◇ Special Assessment _____ ◇ Capital Reserve Fund _____ ◇ Other _____	
Requestor: <u>Daryl L. Gough, Director of Public Works</u> Date: <u>10/25/2013</u>	
Planning Commission Meeting _____ Date/Time	
Planning Commission Comments: _____ _____ _____	

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**FORCEMAIN REPLACEMENT
SMACKS CREEK PUMP STATION
COST ESTIMATE**

From Pump Station to Interceptor Sewer Manhole
October 29, 2013

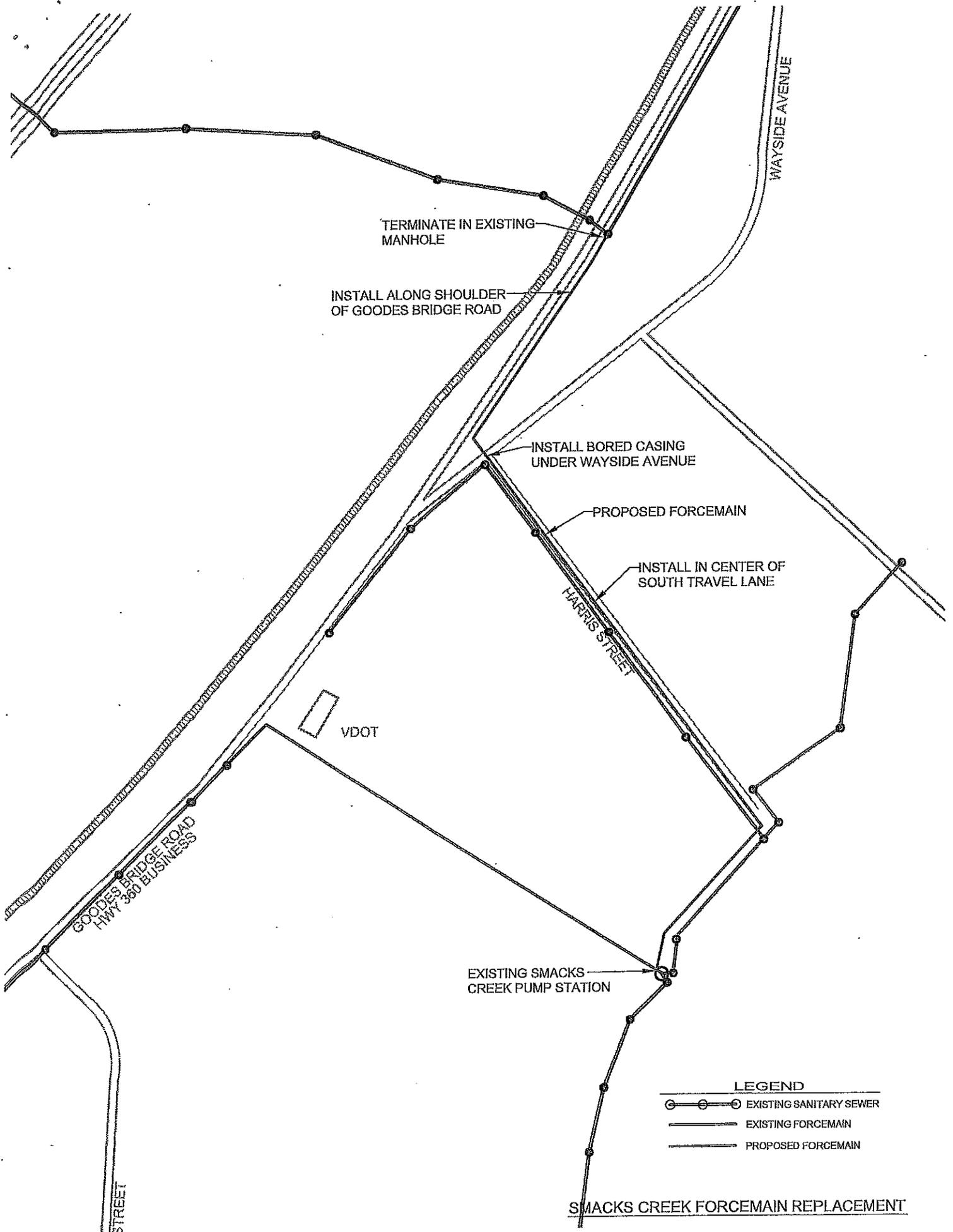
DESCRIPTION	QUANTITY	COST/UNIT	UNIT	TOTAL COST
6" PVC Forcemain	2770	\$25.00	LFT	\$69,250.00
12" Bored Casing	50	\$200.00	LFT	\$10,000.00
Fittings	4	\$350.00	EA	\$1,400.00
Sewer Air Release Valve	1	\$2,500.00	EA	\$7,000.00
Connection to Existing Pump Station	1	\$3,000.00	LS	\$3,000.00
Clearing & Restoration	1	\$4,000.00	LS	\$4,000.00
Asphalt Repair of Harris St (1,450LFT +/-)				
Backfill trench w/ stone	680	\$25.00	TON	\$17,000.00
3" BM-25 Asphalt in trench	100	\$125.00	TON	\$12,500.00
Chip & Seal Surface Treatment (18' wide)	2900	\$2.50	SQYD	\$7,250.00
Construction Staking	1	\$2,000.00	LS	\$2,000.00

Construction Subtotal	\$133,400.00
10% Contingencies	\$13,340.00
Construction Total	\$146,740.00
Engineering	\$15,000.00
Bidding & Contract Admin	\$5,000.00
Geotechnical Testing	\$3,000.00
Project Total	\$169,740.00

Deduct for Design and Engineering (2014 CIP) \$20,000.00
2015 CIP Request \$149,740.00



B & B Consultants, Inc.
 Engineers - Architects - Surveyors
 Planners - Lab Analysts



TERMINATE IN EXISTING
MANHOLE

INSTALL ALONG SHOULDER
OF GOODES BRIDGE ROAD

INSTALL BORED CASING
UNDER WAYSIDE AVENUE

PROPOSED FORCEMAIN

INSTALL IN CENTER OF
SOUTH TRAVEL LANE

VDOT

EXISTING SMACKS
CREEK PUMP STATION

LEGEND

- EXISTING SANITARY SEWER
- — — — — EXISTING FORCEMAIN
- — — — — PROPOSED FORCEMAIN

SMACKS CREEK FORCEMAIN REPLACEMENT

FY 2017

CAPITAL IMPROVEMENT PROJECT REQUEST

(1) Office/Department Public Works, Administration	Planning Commission Use			
(2) Project Title Industrial Park Expansion Phase II	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;"> Urgent Necessary Desirable <input style="width: 40px; height: 15px; border: 1px solid black;" type="text"/> <input checked="" style="width: 40px; height: 15px; border: 1px solid black;" type="checkbox"/> <input style="width: 40px; height: 15px; border: 1px solid black;" type="text"/> </td> </tr> <tr> <td style="border: none;"> Project Priority: <u> 2 </u> </td> </tr> <tr> <td style="border: none;"> Year Required: <u> 2017 </u> </td> </tr> </table>	Urgent Necessary Desirable <input style="width: 40px; height: 15px; border: 1px solid black;" type="text"/> <input checked="" style="width: 40px; height: 15px; border: 1px solid black;" type="checkbox"/> <input style="width: 40px; height: 15px; border: 1px solid black;" type="text"/>	Project Priority: <u> 2 </u>	Year Required: <u> 2017 </u>
Urgent Necessary Desirable <input style="width: 40px; height: 15px; border: 1px solid black;" type="text"/> <input checked="" style="width: 40px; height: 15px; border: 1px solid black;" type="checkbox"/> <input style="width: 40px; height: 15px; border: 1px solid black;" type="text"/>				
Project Priority: <u> 2 </u>				
Year Required: <u> 2017 </u>				
(3) Project Description (Include sketches, appraisals, plans, etc.) The Industrial Park Expansion will extend roads and utilities into tracks of county owned land in 3 phases. Phase 2 of the project will develop a track of land that is currently inaccessible into 4 individual lots that will be served by public roads with water and sewer access to each. Attachment # 2				
(4) Project Justification (Include ramifications if project is not implemented) This project will provide infrastructure to undeveloped portions of the industrial park that will allow the county to better market industrial / business sites. Attachment #				
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$ 748,000.00 Attachment # 1 Data Source: B&B Consultants, Inc.				
(6) Funding source(s) <table style="width:100%; border: none;"> <tr> <td style="width:50%; border: none;"> ◇ Current Revenue _____ ◇ Revenue Bond _____ ◇ General Obligation Bond _____ ◇ Capital Reserve Fund _____ </td> <td style="width:50%; border: none;"> ◇ Grant (Type) _____ ◇ Loan (Type) _____ ◇ Special Assessment _____ ◇ Other _____ </td> </tr> </table>	◇ Current Revenue _____ ◇ Revenue Bond _____ ◇ General Obligation Bond _____ ◇ Capital Reserve Fund _____	◇ Grant (Type) _____ ◇ Loan (Type) _____ ◇ Special Assessment _____ ◇ Other _____		
◇ Current Revenue _____ ◇ Revenue Bond _____ ◇ General Obligation Bond _____ ◇ Capital Reserve Fund _____	◇ Grant (Type) _____ ◇ Loan (Type) _____ ◇ Special Assessment _____ ◇ Other _____			
Requestor: <u>Daryl L. Gough, Director of Public Works</u> Date: <u>10/25/13</u> <p align="center">Planning Commission Meeting _____ Date/Time _____</p> Planning Commission Comments: _____ _____ _____ _____				

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CAPITAL IMPROVEMENT PROJECT REQUEST

(1) Office/Department Public Works, Maintenance Department	Planning Commission Use												
(2) Project Title Improvements to the Beopple Building	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;">Urgent</td> <td style="text-align: center; border: none;">Necessary</td> <td style="text-align: center; border: none;">Desirable</td> </tr> <tr> <td style="text-align: center; border: 1px solid black; width: 30px; height: 15px;"></td> <td style="text-align: center; background-color: black; width: 30px; height: 15px;"></td> <td style="text-align: center; border: 1px solid black; width: 30px; height: 15px;"></td> </tr> <tr> <td style="border: none;">Project Priority:</td> <td style="border: none; text-align: center;">1</td> <td style="border: none;"></td> </tr> <tr> <td style="border: none;">Year Required:</td> <td style="border: none; text-align: center;">2017</td> <td style="border: none;"></td> </tr> </table>	Urgent	Necessary	Desirable				Project Priority:	1		Year Required:	2017	
Urgent	Necessary	Desirable											
Project Priority:	1												
Year Required:	2017												
(3) Project Description (Include sketches, appraisals, plans, etc.) This project will renovate the space occupied by Voter Registrars Office and common areas of the building.													
(4) Project Justification (Include ramifications if project is not implemented) Renovations will include construction of walls to meet absentee voting requirements as well as improve the building efficiency.													
Attachment #													
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$41,400.00 Construction \$3,600.00 Engineering \$45,000.00 Total Project Attachment # 1 Data Source: Previous completed const. projects													
(6) Funding source(s) ◇ Current Revenue _____ ◇ Grant (Type) _____ ◇ Revenue Bond _____ ◇ Loan (Type) _____ ◇ General Obligation Bond _____ ◇ Special Assessment _____ ◇ Capital Reserve Fund _____ ◇ Other _____													
Requestor: Daryl L. Gough, Director of Public Works Date: 10/25/2013 Planning Commission Meeting _____ Date/Time _____ Planning Commission Comments: _____ _____ _____													

2

**Cost Estimate
Beopple Building Renovations
October 20, 2013**

Construction

1 LS	Demo	\$ 800.00	LS	\$ 800.00
1 LS	Construction (drywall, painting, etc.)	\$ 7,800.00	LS	\$ 7,800.00
1560 Sqft	Floor Replacement	\$ 3.00	Sqft	\$ 4,680.00
1560 sqft	Ceiling Replacement	\$ 2.00	Sqft	\$ 3,120.00
1 LS	Electrical Upgrades	\$ 4,800.00	LS	\$ 4,800.00
1 LS	HVAC	\$ 16,000.00	LS	\$ 16,000.00
	Construction Subtotal			\$ 37,200.00

Engineering

1 Ea	Engineering and Contract Administration			\$ 3,600.00
	Lump Sum Subtotal			\$ 3,600.00
	Total of Construction and Lump Sum Items			\$ 40,800.00
	10 % Contingencies			\$ 4,080.00

Total Project Estimate **\$ 44,880.00**

Notes:

This estimate is for renovations to 1560 sqft of space that is occupied by the Voter Registrars Office and the common areas of the Beopple building. Renovations will include construction of walls to meet absentee voting requirements as well as improvements to the buildings interior light and HVAC systems improve efficiency.

<p>(1) Office/Department Community Development/Administration</p>	<p>Planning Commission Use</p>
<p>(2) Project Title Revenue Sharing</p> <p style="text-align: center;"> <input checked="" type="checkbox"/> Urgent <input type="checkbox"/> Necessary <input type="checkbox"/> Desirable </p> <p style="text-align: center;"> Project Priority 1 Year Required 2017 </p>	
<p>(3) Project Description (Include sketches, appraisals, plans, etc.) Allocate Funds for VDOT Revenue Sharing Program</p> <p>Attachment #</p>	
<p>(4) Project Justification (Include ramifications if project is not implemented) To pave unpaved roads throughout the County</p> <p>Attachment #1 - County Road Improvement Plan</p>	
<p>(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$150,000 to be matched dollar for dollar by VDOT. Funds to be used in conjunction with County Road Fund dollars (approximately \$60,000 per year) for a total of \$210,000. With VDOT match this equates to \$410,000 for road improvements. At \$13,500 per tenth of mile, this equates to just over 3 miles of improvements per year.</p> <p>Attachment # _____ Data Source: VDOT</p>	
<p>(6) Funding source(s)</p> <p> <input checked="" type="checkbox"/> Current Revenue <input type="checkbox"/> Grant (Type) _____ <input type="checkbox"/> Revenue Bond <input type="checkbox"/> Loan (Type) _____ <input type="checkbox"/> General Obligation Bond <input type="checkbox"/> Special Assessment _____ <input type="checkbox"/> Capital Reserve Fund <input type="checkbox"/> Other VDOT Revenue Share </p>	
<p>Requestor David R. Whitaker _____ Date Oct 25, 2012 _____</p> <p style="text-align: center;"> Planning Commission Meeting _____ Date/Time _____ </p> <p>Planning Commission Comments: _____</p> <p>_____</p> <p>_____</p> <p style="text-align: right;">③</p>	

(1) Office/Department Volunteer Fire Department	Planning Commission Use
(2) Project Title Engine Truck Station 4	Urgent <input checked="" type="checkbox"/> Necessary <input type="checkbox"/> Desirable <input type="checkbox"/> Project Priority 1 Year Required 2017
(3) Project Description (Include sketches, appraisals, plans, etc.) Replace existing 1995 unit Attachment #	
(4) Project Justification (Include ramifications if project is not implemented) Unit does not meet federal standards Attachment #	
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$501,000 Attachment # Data Source:	
(6) Funding source(s) ◇ Current Revenue <input checked="" type="checkbox"/> ◇ Grant (Type) <input checked="" type="checkbox"/> ◇ Revenue Bond _____ ◇ Loan (Type) _____ ◇ General Obligation Bond _____ ◇ Special Assessment _____ ◇ Capital Reserve Fund _____ ◇ Other _____	
Requestor _____ Date <u>10/25/13</u> Planning Commission Meeting _____ Date/Time _____ Planning Commission Comments: _____ _____ _____ _____	

(1) Office/Department Amelia County Public Schools	Planning Commission Use
(2) Project Title <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> Urgent <input checked="" type="checkbox"/> </div> <div style="text-align: center;"> Necessary <input type="checkbox"/> </div> <div style="text-align: center;"> Desirable <input type="checkbox"/> </div> </div> Replacing AC/Heating units in the Middle/Elementary Schools. <div style="text-align: right;"> Priority <u>1</u> Year Required <u>2017</u> </div>	
(3) Project Description (Include sketches, appraisals, plans, etc.) Division-wide climate control system Attachment	
(4) Project Justification (Include ramifications if project is not implemented) With new AC /Heating units the division can provide a more nurturing environment to our students. Also will assist with reducing our energy consumption. Attachment #	
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) Planning/Engineering/Legal Acquisition \$10,000.00 /Construction /390,000 Equipment Total \$133,000 Phase III Attachment# _____ Data Source: Mid-Contract Controls	
(6) Funding source(s) <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <ul style="list-style-type: none"> ◇ Current Revenue _____ ◇ Revenue Bond _____ ◇ General Obligation Bond _____ ◇ Capital Reserve Fund _____ </div> <div style="width: 45%;"> <ul style="list-style-type: none"> ◇ Grant (Type) _____ ◇ Loan (Type) _____ ◇ Special Assessment _____ ◇ Other _____ </div> </div>	
Requestor <u>Catherine A. Hillinson</u> Date <u>October 23, 2014</u> <div style="text-align: right;"> Planning Commission Meeting _____ Date/Time _____ </div> Planning Commission Comments: _____ _____ _____ <div style="text-align: right; font-size: 2em;">6</div>	

CAPITAL IMPROVEMENT PROJECT REQUEST

(1) Office/Department Amelia County Dept. of Emergency Management	Planning Commission Use
(2) Project Title Generator for High School	Urgent <input checked="" type="checkbox"/> Necessary <input type="checkbox"/> Desirable <input type="checkbox"/> Project Priority <u>Urgent</u> Year Required <u>2017</u>
(3) Project Description (Include sketches, appraisals, plans, etc.) This project is for the replacement of the existing generator located at the high school. The new generator will be larger and provide enough power to cover the main portion of the high school that will be used as an emergency shelter. This is phase two of the project.	
(4) Project Justification (Include ramifications if project is not implemented) Amelia County must be prepared to establish an emergency shelter in times of disaster. The school buildings are the closest suitable public buildings within the county. None of the existing building have adequate emergency power generation capabilities. After studying each building's emergency power needs, along with studying the building Attachment # 1 cont.	
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$115,918 This is the cost of Phase Two of this project. See Attachment #2 for breakdown and details, Attachment #2 Data Source: See Attachment #2 for sources	<i>Ph II</i>
(6) Funding source(s) ◇ Current Revenue _____ ◇ Grant (Type) _____ ◇ Revenue Bond _____ ◇ Loan (Type) _____ ◇ General Obligation Bond _____ ◇ Special Assessment _____ ◇ Capital Reserve Fund <u>X</u> _____ ◇ Other _____	
Requestor <u>Kent Emerson</u> Date <u>10/24/14</u> Planning Commission Meeting _____ Date/Time Planning Commission Comments: _____ _____ _____ _____	



Amelia County
Department of Emergency Management



**2017 CIP Request
Generator for High School
Attachment #1**

(4) Project Justification (cont.)

best suited to serve as an emergency shelter, the High School was determined to be the best suited to serve as the county's emergency shelter. This generator project will allow Amelia County to be better prepared to provide emergency sheltering and associated services to the citizens of Amelia County.

This is Phase Two of this project. Phase Two of this project will provide backup electrical power to the remaining areas of the school needed for emergency shelter operations, which includes the auditorium portion of the school.





Amelia County
Department of Emergency Management



2017 CIP Request
Generator for High School
Attachment #2

(5) Cost (cont.)

Cost Estimate
Emergency Generator Replacement
High School Shelter Phase II
October 24, 2014

Construction					
1	Ea	350 KW Generator	\$ 77,000.00	Ea	\$ 77,000.00
1	Ea	Electrical Connections	\$ 15,000.00	Ea	\$ 15,000.00
1	Ea	Fence Installation	\$ 2,800.00	Ea	\$ 2,800.00
1	Ea	Site Work (Concrete Pad & Conduit)	\$ 1,000.00	Ea	\$ 1,000.00
		Construction Subtotal			\$ 95,800.00
Engineering					
1	Ea	Engineering and Contract Administration			\$ 9,580.00
		Lump Sum Subtotal			\$ 9,580.00
		Total of Construction and Engineering			\$ 105,380.00
		10 % Contingencies			\$ 10,538.00
		Total Project Estimate			\$ 115,918.00
Notes:		<p>This estimate is for the installation of a second emergency generator to be located at the high school. This generator will provide emergency power to the auditorium portion of the high school so that it can be able to be utilized as part of the emergency shelter. Phase I of the project will replace the existing generator the high school.</p>			

Provided by the Amelia County Department of Public Works

(1) Office/Department Amelia County Sanitary District, Water Department	Planning Commission Use												
(2) Project Title Wellhead Protection Study	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; border: none;">Urgent</td> <td style="text-align: center; border: none;">Necessary</td> <td style="text-align: center; border: none;">Desirable</td> </tr> <tr> <td style="text-align: center; border: 1px solid black; width: 33px; height: 15px;"></td> <td style="text-align: center; background-color: black; width: 33px; height: 15px;"></td> <td style="text-align: center; border: 1px solid black; width: 33px; height: 15px;"></td> </tr> <tr> <td colspan="2" style="text-align: center; border: none;">Project Priority</td> <td style="text-align: center; border: none;"><u>1</u></td> </tr> <tr> <td colspan="2" style="text-align: center; border: none;">Year Required</td> <td style="text-align: center; border: none;"><u>2017</u></td> </tr> </table>	Urgent	Necessary	Desirable				Project Priority		<u>1</u>	Year Required		<u>2017</u>
Urgent	Necessary	Desirable											
Project Priority		<u>1</u>											
Year Required		<u>2017</u>											
(3) Project Description (Include sketches, appraisals, plans, etc.) Accurately define groundwater recharge areas around water production wells.													
Attachment #													
(4) Project Justification (Include ramifications if project is not implemented) This project consist of exploration and pump test to identify the groundwater recharge area around each production well. Defining the recharge area of a production well will allow the county to develop an accurate and effective Wellhead Protection Plan. This project is currently in the CIP for 2015, I would recommend moving it back to 2016 to allow for the completion of the well exploration and development south of 360.													
Attachment #													
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction)													
\$ 170,000.00													
Attachment #													
Data Source: Proposal from Emery and Garrett													
(6) Funding source(s)													
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">◇ Current Revenue _____</td> <td style="width: 50%;">◇ Grant (Type) _____</td> </tr> <tr> <td>◇ Revenue Bond _____</td> <td>◇ Loan (Type) _____</td> </tr> <tr> <td>◇ General Obligation Bond _____</td> <td>◇ Special Assessment _____</td> </tr> <tr> <td>◇ Capital Reserve Fund _____</td> <td>◇ Other _____</td> </tr> </table>	◇ Current Revenue _____	◇ Grant (Type) _____	◇ Revenue Bond _____	◇ Loan (Type) _____	◇ General Obligation Bond _____	◇ Special Assessment _____	◇ Capital Reserve Fund _____	◇ Other _____					
◇ Current Revenue _____	◇ Grant (Type) _____												
◇ Revenue Bond _____	◇ Loan (Type) _____												
◇ General Obligation Bond _____	◇ Special Assessment _____												
◇ Capital Reserve Fund _____	◇ Other _____												
Requestor <u>Daryl Gough, Public Works Director</u> Date <u>10/25/2013</u>													
Planning Commission Meeting _____ Date/Time _____													
Planning Commission Comments: _____ _____ _____													

Capital Improvement Project Request

(1) Office/Department Amelia Parks & Recreation Department	Planning Commission Use						
(2) Project Title Joe Paulette Memorial Park Football \ Baseball Field - Sprinkler System – Much Needed NOW!	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; border: none;">Urgent</td> <td style="text-align: center; border: none;">Necessary</td> <td style="text-align: center; border: none;">Desirable</td> </tr> <tr> <td style="text-align: center; border: none;"><input checked="" type="checkbox"/></td> <td style="text-align: center; border: none;"><input type="checkbox"/></td> <td style="text-align: center; border: none;"><input type="checkbox"/></td> </tr> </table> <p style="text-align: right; margin-top: 10px;"> Project Priority <u>1</u> Year Required <u>2017</u> </p>	Urgent	Necessary	Desirable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Urgent	Necessary	Desirable					
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
(3) Project Description (Include Sketches, appraisals, plans, etc.) Joe Paulette Memorial Park Football field, Amelia County School System was approved to go in half with the project to maintain the current site.							
Attachment #							
(4) Project Justification (Include ramifications if project is not implemented) Field can be used for tournaments, practices, local league games, and serve as alternative field for the High School teams for games and practices and also used for Semi-pro and college games when available.							
Attachment #							
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction)							
Equipment \ Furniture <u>\$26,300</u> filling, laser grading, base alignment <u>\$56,800</u> Sodding <u>\$13,600</u> Sprigging <u>\$35,800</u> Irrigation System Total <u>\$132,500</u>							
Attachment # <u>Data Source: Farmville Wholesale Electric, Elkin's Irrigation Company</u>							
(6) Funding Source(s)							
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <input type="checkbox"/> Current Revenue _____ <input type="checkbox"/> Revenue Bond _____ <input type="checkbox"/> General Obligation Bond _____ <input type="checkbox"/> Capital Reserve Fund _____ </td> <td style="width: 50%; border: none;"> <input type="checkbox"/> Grant (Type) _____ <input type="checkbox"/> Loan (Type) _____ <input type="checkbox"/> Special Assessment _____ <input type="checkbox"/> Other _____ </td> </tr> </table>	<input type="checkbox"/> Current Revenue _____ <input type="checkbox"/> Revenue Bond _____ <input type="checkbox"/> General Obligation Bond _____ <input type="checkbox"/> Capital Reserve Fund _____	<input type="checkbox"/> Grant (Type) _____ <input type="checkbox"/> Loan (Type) _____ <input type="checkbox"/> Special Assessment _____ <input type="checkbox"/> Other _____					
<input type="checkbox"/> Current Revenue _____ <input type="checkbox"/> Revenue Bond _____ <input type="checkbox"/> General Obligation Bond _____ <input type="checkbox"/> Capital Reserve Fund _____	<input type="checkbox"/> Grant (Type) _____ <input type="checkbox"/> Loan (Type) _____ <input type="checkbox"/> Special Assessment _____ <input type="checkbox"/> Other _____						
Requestor: <u>Glen B. Wilkerson, Director ACP&R</u> Date: <u>10-1-09</u> Planning Commission Meeting: _____ <div style="text-align: right; margin-right: 50px;"><i>Date/Time</i></div>							
Planning Commission Comments: _____							
<div style="text-align: right; border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> 9 </div>							

EARTHWORKS & SPRINKLERS UNLIMITED, INC.
SPORTS FIELD CONSTRUCTION SWam # 670017

October 25, 2013

From: Matt Harder
Cell: 804-641-0886

Subject: Football / Baseball field Renovations at Amelia High School

Scope of Work: Earthworks to supply materials and labor to renovate the football / baseball field.

The field will be sprayed with Round-up to kill all vegetation.

The area will be tilled with a reverse tine tiller to a depth of 5".

The baseball skinned area will be lasered with an inverted cone laser, with the pitcher's mound being the highest point. The water will shed in all directions so as not to create ruts.

The Football field will be lasered using a dual slope laser. The water will shed to the end zones and towards the grand stands.

All grass areas will be irrigated. The system will be fed from a new 3" water line install from the pump house across the street at the school. A bore will be made to get under the road for the 3" pipe. A booster pump will be installed next to the power panel at the end of the football field. Power and the connection to the pump and controller will be by the OWNER. There will be 4 rows of heads on the football field and heads to water the grass around the baseball field.

All Private underground lines will need to be marked by the OWNER.

The area will be sprigged or sodded with Tifway 419 burmuda grass.

The baseball bases will be checked and corrected if needed.

A warning track will be installed in front of the dugouts and down to the end of the fence.

Spraying, Tilling, Laser grading, Warning track, Base alignment. Bid: \$26,300.00

Sodding. Bid: \$ 56,800.00

Sprigging: Bid: \$13,600

Irrigation System. Bid: \$35,800.00

Accepted by: _____ Date: _____

The prices quoted herein expire thirty (30) days from date of contract, unless signed and dated by Owner.

Fire Station Pavement Improvements

Amelia County, Virginia

COST ESTIMATE

November 6, 2014

DESCRIPTION	QUANTITY	COST/UNIT	TOTAL COST
Amelia Co. 1 (1,350sqyds)			
Earthworks & Fine Grading	1,350 sqyds	\$10.00 /sqyd	\$13,500
Stone base (4" average)	330 Ton	\$30.00 /ton	\$9,900
Asphalt Pavement (3" base, 2" surface)	410 Ton	\$125.00 /ton	\$51,250
Pavement Stripping, and other misc	1 LS	\$2,500 LS	\$2,500
E&S Controls, Seeding, & Restoration	1 LS	\$7,500 LS	\$7,500
Construction Staking	1 LS	\$1,750 LS	\$1,750
Demo	800 sqyds	\$7.50 /sqyd	\$6,000
Curb and Gutter	170 Inft	\$35	\$5,950
Radio Tower (guide wire relocation)	1 LS	\$5,000 LS	\$5,000
Bidding & Contract Admin (5%)	1 LS	\$5,168 LS	\$5,168
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$11,152 LS	\$11,152
		Sub-total	\$122,689
Mannboro Co. 2 (2,800sqyds)			
Earthworks & Fine Grading	2,800 sqyds	\$7.50 /sqyd	\$21,000
Stone base (4" average)	690 Ton	\$30.00 /ton	\$20,700
Asphalt Pavement (3" base, 2" surface)	850 Ton	\$125.00 /ton	\$106,250
Pavement Stripping, and other misc	1 LS	\$3,000 LS	\$3,000
E&S Controls, Seeding, & Restoration	1 LS	\$7,000 LS	\$7,000
Construction Staking	1 LS	\$2,250 LS	\$2,250
Bidding & Contract Admin (.5%)	1 LS	\$8,010 LS	\$8,010
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$17,121 LS	\$17,121
		Sub-total	\$188,331
Jetersville Co. 3 (1,550sqyds)			
Earthworks & Fine Grading	1,550 sqyds	\$7.50 /sqyd	\$11,625
Stone base (4" average)	385 Ton	\$30.00 /ton	\$11,550
Asphalt Pavement (3" base, 2" surface)	470 Ton	\$125.00 /ton	\$58,750
Pavement Stripping, and other misc	1 LS	\$2,500 LS	\$2,500
E&S Controls, Seeding, & Restoration	1 LS	\$5,000 LS	\$5,000
Construction Staking	1 LS	\$1,750 LS	\$1,750
Bidding & Contract Admin (5%)	1 LS	\$4,559 LS	\$4,559
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$9,873 LS	\$9,873
		Sub-total	\$108,607
Mattoax Co. 4 (585sqyds HD + 650sqyds LD)			
Earthworks & Fine Grading	1,235 sqyds	\$7.50 /sqyd	\$9,263
Stone base (4" average)	300 Ton	\$30.00 /ton	\$9,000
Asphalt Pavement (3" base, 2" surface)	255 Ton	\$125.00 /ton	\$31,875
Pavement Stripping, and other misc	1 LS	\$2,500 LS	\$2,500
E&S Controls, Seeding, & Restoration	1 LS	\$5,000 LS	\$5,000
Construction Staking	1 LS	\$1,750 LS	\$1,750
Bidding & Contract Admin (5%)	1 LS	\$2,969 LS	\$2,969
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$6,536 LS	\$6,536
		Sub-total	\$71,893
Paineville Co. 5 (1675sqyds)			
Earthworks & Fine Grading	1,675 sqyds	\$7.50 /sqyd	\$12,563
Stone base (4" average)	420 Ton	\$30.00 /ton	\$12,600
Asphalt Pavement (3" base, 2" surface)	515 Ton	\$125.00 /ton	\$64,375
Pavement Stripping, and other misc	1 LS	\$3,000 LS	\$3,000
E&S Controls, Seeding, & Restoration	1 LS	\$5,000 LS	\$5,000
Construction Staking	1 LS	\$1,750 LS	\$1,750
Bidding & Contract Admin (5%)	1 LS	\$4,964 LS	\$4,964
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$10,725 LS	\$10,725
		Sub-total	\$117,977
Construction Total			\$609,477
Engineering (Design Only)			\$30,474
Project Total			\$639,951

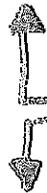
31

Note: This estimate is based on rough quantities for each location, an updated cost estimate will be available at the completion of the design phase.

Amelia County Estimation

	Low Estimate	High Estimate
Phase 1 Tasks		
1 Initiation/Data Prep	\$3,637.00	\$4,657.00
2 Map Conflation	\$8,309.00	\$11,081.00
3 Insert Conflation	\$2,117.00	\$2,567.00
4 GIS Build	\$4,757.00	\$6,197.00
5 Real Estate Match	\$6,417.00	\$8,397.00
6 Quality Control	\$5,061.00	\$6,615.00

Phase 2 Tasks		
1 AGS Server (2008 r2, iis 7.5)	\$4,500	\$4,500
2 SDE Server (SQL 2008, Server 2008 r2)	\$8,000	\$8,000
3 AGS/SDE Consulting Services	\$6,000	\$6,000
4 AGS Standard Enterprise (up to 4 core licenses)	\$18,000	\$18,000
5 ArcView 3.x upgrade	\$618	\$618
6 ArcInfo Concurrent Use Upgrade	\$7,500	\$7,500



Phase 3 Tasks		
1 Complete network infrastructure	Outside of TG	
2 Public Facing GIS Application Development	\$10,000	20,000
3 Site Deployment on County Servers	Included	Included
4 Additional AGS/SDE Tuning for additional users	\$2,500	\$5,000

FY #1

FY #2



ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, INC.
 380 NEW YORK ST
 REDLANDS, CA 92373-8100
 Phone: (800) 447-9778 Fax: (909) 307-3049
 DUNS Number: 06-313-4175 CAGE Code: 0AMS3

To expedite your order, please attach a copy of this quotation to your purchase order.
 Quote is valid from: 11/10/2011 To: 02/08/2012

Quotation # 20396019

Date: November 10, 2011

Customer # 222416 Contract # 2009MPA2064

COUNTY OF AMELIA
 SHERIFF DEPT
 16441 COURT ST
 AMELIA COURT HOUSE, VA 23002

ATTENTION: R Jason Malloy
 PHONE: (804) 561-2118
 FAX: (804) 561-2269

Material	Qty	Description	Unit Price	Total
109065	1	ArcGIS Server Standard Enterprise for Windows Up to Four Cores License	18,000.00	18,000.00
97619	1	ArcView Single Use from 3.x Primary Maintenance Activation Fee	618.00	618.00
88925	1	ArcInfo Concurrent Use Upgrade from ArcView Single Use	7,560.00	7,560.00
120892	1	ArcGIS Server Enterprise 10.0 for Windows (Includes ArcSDE for Windows and ArcSDE for UNIX) Backup Media	0.00	0.00
122779	1	ArcGIS Desktop 10.0 with ArcGIS Mobile and Esri Data and Maps Backup Media	0.00	0.00
			Item Total:	26,178.00
			Subtotal:	26,178.00
			Sales Tax:	1,293.45
			Estimated Shipping & Handling(2 Day Delivery) :	0.00
			Contract Pricing Adjust:	0.00
			Total:	\$27,471.45

Subject to Master Purchase Agreement No. 2009MPA2064/VITA Contract No. VA-090403-ESRI.
 S&H included.

*Please indicate on your purchase order if this purchase is funded through the American Recovery and Reinvestment Act, and whether Esri is a Prime Recipient, Sub-recipient, or Vendor for reporting purposes.

For questions contact: Joseph Genther Email: jgenther@esri.com Phone: (800) 447-9778 x2514

Acceptance of this quotation is limited to the Esri License Agreement and the Quotation Terms and Conditions
 This Quotation is made in confidence for your review. It may not be disclosed to third parties, except as required by law.

If sending remittance, please address to: Esri, File No. 54630, Los Angeles, Ca 90074-4630

CAPITAL IMPROVEMENT PROJECT REQUEST

(1) Office/Department Amelia County Dept. of Emergency Management	Planning Commission Use
(2) Project Title Public Safety Radio Systyem Upgrades	Urgent Necessary Desirable <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Project Priority <u>Necessary</u> Year Required <u>2016</u>
(3) Project Description (Include sketches, appraisals, plans, etc.) This project includes needed upgrades to the existing public safety radio system used by the county's emergency services agencies. Please see Attachment #1 for detailed information	
Attachment # 1 cont.	
(4) Project Justification (Include ramifications if project is not implemented) Potential responder safety issues drive this project. Please see Attachment #2 for detailed information	
Attachment # 2 cont.	
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$790,510 This is the total estimated cost for Phase 1 of the project. See Attachment # 3 for the quote. Attachment # 3 Data Source: Commtronics of Virginia	
(6) Funding source(s)	
◇ Current Revenue _____ ◇ Grant (Type) _____ ◇ Revenue Bond _____ ◇ Loan (Type) _____ ◇ General Obligation Bond _____ ◇ Special Assessment _____ ◇ Capital Reserve Fund <u>X</u> _____ ◇ Other _____	
Requestor <u>Kent Emerson</u> Date <u>10/24/14</u>	
Planning Commission Meeting _____ Date/Time	
Planning Commission Comments: _____ _____ _____	



Amelia County
Department of Emergency Management



2016 CIP Request
Public Safety Radio System Upgrades
Attachment #1

(3) Project Description (cont.)

Prior to 2004, the county's public safety radio system was a piecemeal system with each agency responsible for planning and maintaining their own individual systems. In 2004, the county replaced the individual radio systems used by our public safety agencies with one integrated, updated system. The replacement was originally planned for multiple phases. The 2004 upgrade was the first phase. Due to personnel turnover with the county, the remaining phases were never completed. This project resumes the remaining phase of completing the public safety radio system upgrades.

This project will include:

- An additional radio transmission site (to include a new tower, if necessary) on the eastern end of the county.
- An additional radio transmission site (to include a new tower, if necessary) on the western end of the county.
- Moving existing radio equipment from the Cheatham's Road tower to the county's water tower.
- All additional radio equipment to achieve simulcast capability across the system.
- All new equipment will be P-25 compatible (digital), which is a requirement for any future grant opportunities.



Amelia County
Department of Emergency Management



**2016 CIP Request
Public Safety Radio System Upgrades
Attachment #2**

(4) Project Justification (cont.)

The existing public safety radio system provides good coverage for the central area of the county. However, at various points within the county, particularly at the furthest east and furthest west areas, public safety radio coverage is limited or non-existent.

This problem could jeopardize the safety of deputies, firefighters, and emergency medical providers when responding to emergency incidents. Deputies needing assistance could potentially not be heard. Firefighters trapped in a burning building may not be heard. And emergency medical providers needing assistance on medical incidents may not be heard. The additional radio transmission sites will provide needed radio coverage across the county, thereby providing the safety needed by all our emergency services workers.

This project will also allow us to be able to move our existing radio equipment from the Cheatham's Road tower (in which we pay rent) to the county's water tower. This cannot be done currently due to the fact that lowering the transmitters from the existing height on the Cheatham's Road tower, to the lower height on the water tower, would severely limit the existing radio system, creating much larger areas of the county that would not have radio coverage.



Amelia County
Department of Emergency Management



**2016 CIP Request
Public Safety Radio System Upgrades
Attachment #3**

(5) Cost (cont.)



AMELIA, County of

3-Site Simulcast System Upgrade

PROPOSAL

PRIME SITE (\$331,180.00)

- | | |
|---|--------------|
| (3) GTR 8000 Repeaters for Sheriff, Fire and Rescue to replace the existing MTR 2000 Repeaters, which are no longer available. All repeaters being simulcasted must be of like model. | \$61,180.00 |
| (3) Simulcast equipment for Sheriff, Fire and Rescue including GPS master oscillator, variable line delay, IP audio decoder, connectivity to remote sites, prime site infrastructure, and installation of all prime site equipment. | \$270,000.00 |

EAST END SITE (\$459,330.00)

- | | |
|--|--------------|
| (1) Rohn Tower, 180', includes all parts and labor. Pricing does not include land acquisition, site improvements, or potential FCC or FAA regulatory fees. | \$125,000.00 |
| (1) Building / Equipment Shelter | \$10,000.00 |
| (3) GTR 8000 Repeaters for Sheriff, Fire and Rescue | \$61,180.00 |
| (1) Combiner / Multicoupler / Duplexer (Special Make for frequencies) | \$21,000.00 |
| (1) Battery Back UP | \$950.00 |
| (6) Batteries and Boxes | \$1,200.00 |
| (1) Antenna Systems with 200' of 1/2" line | \$6,000.00 |
| (3) Simulcast equipment for Sheriff, Fire and Rescue including GPS master oscillator, variable line delay, IP audio decoder, connectivity to prime sites, and installation of all East site equipment. | \$234,000.00 |

SIMULCAST SOLUTION TOTAL \$790,510.00

PRICING IS BASED ON LINE-OF-SITE BETWEEN REMOTE SITES TO PRIME SITE

CAPITAL IMPROVEMENT PROJECT REQUEST

(1) Office/Department Public Works, Maintenance Department	Planning Commission Use						
(2) Project Title County Park tennis Court Upgrades	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;">Urgent</td> <td style="text-align: center; border: none;">Necessary</td> <td style="text-align: center; border: none;">Desirable</td> </tr> <tr> <td style="text-align: center; border: 1px solid black; width: 40px; height: 15px;"></td> <td style="text-align: center; background-color: black; width: 40px; height: 15px;"></td> <td style="text-align: center; border: 1px solid black; width: 40px; height: 15px;"></td> </tr> </table> <p style="margin-left: 100px;">Project Priority: <u>2</u></p> <p style="margin-left: 100px;">Year Required: <u>2016</u></p>	Urgent	Necessary	Desirable			
Urgent	Necessary	Desirable					
(3) Project Description (Include sketches, appraisals, plans, etc.) This project consist of upgrading the tennis courts located at county park. The project will replace the base material of the existing courts and add a new playing surface, lines, and fencing.							
(4) Project Justification (Include ramifications if project is not implemented) The existing courts have a lot of cracking which would require approximately \$9,500 to repair before a new surface can be placed . Repairs of this type are not guaranteed and normally only last 1 to 2 years. Because of cracking the existing court surfaces cannot be upgraded without replacing the existing base surface. Attachments,							
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$122,000.00 Attachments, <u>1</u> Data Source: Contractor's Estimates							
(6) Funding source(s) <table style="width:100%; border: none;"> <tr> <td style="width:50%; border: none;"> ◇ Current Revenue _____ ◇ Revenue Bond _____ ◇ General Obligation Bond _____ ◇ Capital Reserve Fund _____ </td> <td style="width:50%; border: none;"> ◇ Grant (Type) _____ ◇ Loan (Type) _____ ◇ Special Assessment _____ ◇ Other _____ </td> </tr> </table>	◇ Current Revenue _____ ◇ Revenue Bond _____ ◇ General Obligation Bond _____ ◇ Capital Reserve Fund _____	◇ Grant (Type) _____ ◇ Loan (Type) _____ ◇ Special Assessment _____ ◇ Other _____					
◇ Current Revenue _____ ◇ Revenue Bond _____ ◇ General Obligation Bond _____ ◇ Capital Reserve Fund _____	◇ Grant (Type) _____ ◇ Loan (Type) _____ ◇ Special Assessment _____ ◇ Other _____						
Requestor: <u>Daryl L. Gough, Director of Public Works</u> Date: <u>10/26/2013</u> Planning Commission Meeting _____ <div style="text-align: right;">Date/Time _____</div> Planning Commission Comments: _____ _____ _____ _____							

**Cost Estimate
Beople Building Renovations
October 20, 2013**

Construction

1 LS	Fence Removal	\$ 5,000.00	LS	\$ 5,000.00
1 LS	Court Demo/Construction	\$ 77,000.00	Sqft	\$ 77,000.00
1 LS	Fence Replacement	\$ 25,000.00	Sqft	\$ 25,000.00
	Construction Subtotal			\$ 107,000.00

Engineering

1 Ea	Engineering and Contract Administration			\$ 3,600.00
	Lump-Sum Subtotal			\$ 3,600.00
	Total of Construction and Lump Sum Items			\$ 110,600.00
	10 % Contingencies			\$ 11,060.00
	Total Project Estimate			\$ 121,660.00

Notes:

This estimate is for upgrades to the tennis courts located at the County Park. The existing fence will be removed and the existing courts will be demolished. New courts, nets, playing surface and fenceing installed.

(1) Office/Department Amelia County Public Schools	Planning Commission Use
(2) Project Title Elementary School Foundation Repair	Urgent <input checked="" type="checkbox"/> Necessary <input type="checkbox"/> Desirable <input type="checkbox"/> Project Priority <u>4</u> Year Required <u>2016</u>
(3) Project Description (Include sketches, appraisals, plans, etc.) Raise and repair sagging foundation on playground side of Elementary School , C wing Attachment #	
(4) Project Justification (Include ramifications if project is not implemented) Walls sagging. Doors will not close. Large cracks in outside and inside of walls. Attachment #	
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) Planning, Engineering, Legal Acquisition, Construction Total \$100,000 Attachment# _____ Data Source: Crabtree, Rohrbaugh & Associates	
(6) Funding source(s) ◇ Current Revenue _____ ◇ Grant (Type) _____ ◇ Revenue Bond _____ ◇ Loan (Type) _____ ◇ General Obligation Bond _____ ◇ Special Assessment _____ ◇ Capital Reserve Fund _____ ◇ Other _____	
Requestor <u>Catherine N. Wilkinson</u> Date <u>October 23, 2014</u> Planning Commission Meeting _____ Date/Time _____ Planning Commission Comments: _____ _____ _____ <div style="text-align: right;">(14)</div>	

(1) Office/Department Amelia County Public Schools	Planning Commission Use
(2) Project Title <div style="display: flex; justify-content: space-around;"> Urgent <input checked="" type="checkbox"/> Necessary <input type="checkbox"/> Desirable <input type="checkbox"/> </div> Repave and add additional parking spaces to the middle/elementary school. Priority <u>3</u> Year Required <u>2016</u>	
(3) Project Description (Include sketches, appraisals, plans, etc.) Expand High School, Middle School and Elementary School parking lots and make adjustments to the entrance and loading area to accommodate more vehicles. Attachment	
(4) Project Justification (Include ramifications if project is not implemented) Parking and pickup areas are congested. Also the High School student and faculty parking lot have asphalt breaking apart. Attachment #	
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) Planning/Engineering/Legal 5% Acquisition /Construction and Equipment \$250,000.00 Total \$500,000.00 Attachment# _____ Data Source: Prior estimates	Phases x 3 Phase I \$167,000
(6) Funding source(s) <div style="display: flex; justify-content: space-between;"> <ul style="list-style-type: none"> ◇ Current Revenue _____ ◇ Revenue Bond _____ ◇ General Obligation Bond _____ ◇ Capital Reserve Fund _____ <ul style="list-style-type: none"> ◇ Grant (Type) _____ ◇ Loan (Type) _____ ◇ Special Assessment _____ ◇ Other _____ </div>	
Requestor <u>Catherine N. Shelkison</u> Date <u>October 23, 2014</u> Planning Commission Meeting _____ Date/Time _____ Planning Commission Comments: _____ _____ <div style="text-align: right; border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center;">15</div>	

CAPITAL IMPROVEMENT PROJECT REQUEST

(1) Office/Department Amelia County Dept. of Emergency Management	Planning Commission Use								
(2) Project Title Emergency Operations Center Renovation Including new 911 Center	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;">Urgent</td> <td style="text-align: center; border: none;">Necessary</td> <td style="text-align: center; border: none;">Desirable</td> </tr> <tr> <td style="text-align: center; border: none;"><input checked="" type="checkbox"/></td> <td style="text-align: center; border: none;"><input type="checkbox"/></td> <td style="text-align: center; border: none;"><input type="checkbox"/></td> </tr> </table> <p style="text-align: center; margin-top: 10px;"> Project Priority <u>Urgent</u> Year Required <u>2016</u> </p>	Urgent	Necessary	Desirable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Urgent	Necessary	Desirable							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
(3) Project Description (Include sketches, appraisals, plans, etc.) This project includes completion of the renovation of the Emergency Operations Center building. This project also includes moving the Amelia County 911 Center from it's current location in the Amelia County Sheriff's Office, into the EOC building. This project encompasses renovation of the EOC building, Attachment # 1, 4 cont.									
(4) Project Justification (Include ramifications if project is not implemented) Initial phase of the EOC building renovation has been completed. This includes the office of the Director of Emergency Management, and bathroom areas. The remaining area of the building still needs to be completed in order to have an operational EOC during emergency events. The EOC is the area in which the Attachment # 2 cont.									
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$350,000 Phase II Total All Phases \$1,174,255 This project could potentially be broken into phases if necessary due. See Attachment #3 for breakdown and details. Attachment #3, 5, 6 Data Source: See Attachment #3 for sources									
(6) Funding source(s)									
<table style="width:100%; border: none;"> <tr> <td style="border: none;">◇ Current Revenue _____</td> <td style="border: none;">◇ Grant (Type) _____</td> </tr> <tr> <td style="border: none;">◇ Revenue Bond _____</td> <td style="border: none;">◇ Loan (Type) _____</td> </tr> <tr> <td style="border: none;">◇ General Obligation Bond _____</td> <td style="border: none;">◇ Special Assessment _____</td> </tr> <tr> <td style="border: none;">◇ Capital Reserve Fund <u>X</u> _____</td> <td style="border: none;">◇ Other _____</td> </tr> </table>	◇ Current Revenue _____	◇ Grant (Type) _____	◇ Revenue Bond _____	◇ Loan (Type) _____	◇ General Obligation Bond _____	◇ Special Assessment _____	◇ Capital Reserve Fund <u>X</u> _____	◇ Other _____	
◇ Current Revenue _____	◇ Grant (Type) _____								
◇ Revenue Bond _____	◇ Loan (Type) _____								
◇ General Obligation Bond _____	◇ Special Assessment _____								
◇ Capital Reserve Fund <u>X</u> _____	◇ Other _____								
Requestor <u>Kent Emerson</u> Date <u>10/24/14</u> Planning Commission Meeting _____ Date/Time _____									
Planning Commission Comments: _____ _____ _____ _____									



Amelia County
Department of Emergency Management



2016 CIP Request
EOC Renovation and New 911 Center
Attachment #1

(3) Project Description (cont.)

renovation of the parking area surrounding the EOC building, and installation of 911 Center equipment. The renovation of the EOC building will included changes needed for security needed by the 911 Center. The renovation of the parking area will include the entire parking area directly adjacent to the EOC building as well as the area adjacent to the Hindle Building currently used as public parking. The creation of the new 911 Center will include all communications and radio equipment, all computers and information technology equipment, and all office equipment. See *attachment #4* for a sketch of the EOC building layout.



Amelia County
Department of Emergency Management



2016 CIP Request
EOC Renovation and New 911 Center
Attachment #2

(4) Project Justification (cont.)

appropriate leadership (depending upon event) of the County gathers in order to coordinate the response to the given emergency. We began the process of developing a usable EOC with Phase 1 of this project. This current CIP request will complete the renovation needed to make the EOC operational. Equipment for the EOC has already been obtained through several grant opportunities. While additional equipment may be needed in the future, the need for this additional equipment is not urgent.

The parking area renovation requested will not only serve the needs of the EOC, but will also provide a larger, all-weather, parking area for the County Administration building, as well as the Hindle Building if used in the future. This parking area will be used by county staff as well as the public. It will also provide better parking during the Parks and Recreation Dept. activities on Hindle Field.

The current 911 Center in the Sheriff's Office has limited space that it is outgrowing. There is no additional space in the Sheriff's Office for the 911 Center. There is also need in the Sheriff's Office for additional office space. After discussions between the Amelia County Sheriff's Office, Amelia County Dept. of Emergency Management, and Amelia County Administration, it was determined that the remaining area in the EOC building would be sufficient for current and future growth of the 911 Center. And placement of the 911 Center in the same building as the EOC will facilitate better communications during an emergency event, thereby enabling the staff to provide better service to the citizens of Amelia County. Placement of the 911 Center into the EOC building is an excellent use of the space, and the missions of both the EOC and the 911 Center will both be enhanced by being in the same building. By moving the 911 Center to the EOC building, this will also free up office space that can be used by the Sheriff's Office for other needed functions. This CIP request includes all radio and communications equipment, computer and information technology equipment, as well as office furniture and fixtures. This installation of new equipment in the new 911 Center will enable some of the old equipment in the current 911 Center within the Sheriff's Office, to be used in another project which will provide a true back capability for our 911 Center, which does not effectively currently exist. This will be the subject of a future project, funded either through grants or CIP requests.



**Amelia County
Department of Emergency Management**



**2016 CIP Request
EOC Renovation and New 911 Center
Attachment #3**

(5) Costs (cont.)

Total remaining costs of project: \$1,174,255.30

See **attachment #5** for a detailed Scope of Work for EOC building renovations and parking area renovations. See **attachment #6** for detailed costs of these items. These were provided by Amelia County Director of Public Works, Daryl Gough.

Building Renovation (construction and demolition)	\$136,621.10
Parking Renovation (including accessibility improvements)	<u>\$202,644.20</u>
Total for building renovations and parking area renovations	\$339,265.30

See **attachment #7** for a detailed synopsis of the equipment needed to create the new 911 Center. This synopsis was provided by staff of the Amelia County Sheriff's Office.

911 Phone System	\$267,000
Phone System maintenance	\$25,000
Consoles	\$65,000
Radio System	\$110,590
911 Chairs	\$7,500
Office Furniture	\$6,000
Office Machines	\$5,600
Emergency Dispatch Software	\$115,000
GeoComm (GIS) Software	\$68,500
OpenFox Software	\$1,100
911 Computers and Software	\$58,000
DaPro Software	\$49,200
Backroom IT Equipment	\$25,000
Camera / Security / Entry System	\$18,500
Computer Services / Fiber	\$12,000
VaWAS Phone System	<u>\$1,000</u>
Total for new 911 Center equipment	\$834,990

This project can be broken into multiple phases as needed due to funding limitations. However, the building renovations must be included as part of the next phase. None of the other work or equipment related to the new 911 Center can move forward until the building is ready.

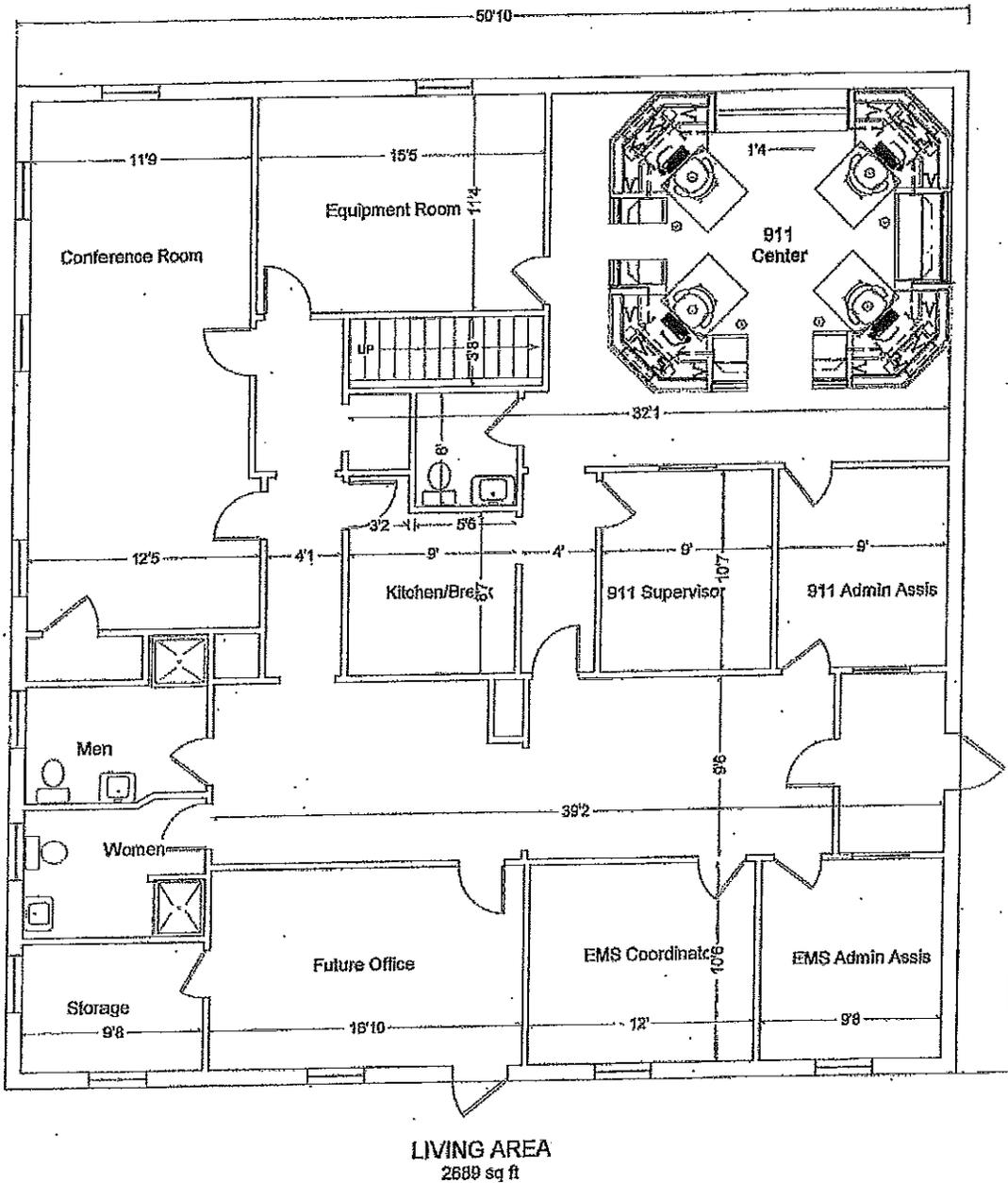
Attachment #7 describes a method for phasing in the new 911 Center equipment also. However, until the building renovations are completed, and Phase 1 (as described in attachment #7) is implemented, the new 911 Center will not be in service; and no benefits to the Sheriff's Office will be realized.



Amelia County
Department of Emergency Management



2016 CIP Request
EOC Renovation and New 911 Center
Attachment #4





Amelia County
Department of Emergency Management



2016 CIP Request
EOC Renovation and New 911 Center
Attachment #5

Emergency Operations Center
Renovations and Access Improvements
Scope of Work

Renovations to the Emergency Operations Center will be completed to make this building into a more usable, accessible and energy efficient space for emergency communications and operations. Listed below are details of the areas to be addressed by the renovations and accessibility improvements to the county's emergency operation center.

Parking and Accessibility

- Demolition of the existing deteriorating parking lot. Construction of a new parking lot with curb and gutter, storm sewer, sidewalks, paving and striping.
- Demolition of the existing dilapidated wood and masonry porches and handicap ramps. These will be replaced with brick and concrete construction with painted black metal railings.
- Removal and replacement of existing deteriorating sidewalks that will lead from the new porches and ramps to the new parking area.
- Grading and reseeding the yard with the addition of additional landscaping.

Building Renovations

- Demolition of existing interior walls and finishes as needed.
- The Construction of walls to the new layout.
- Insulating the entire building to reduce energy consumption.
- Install new energy efficient windows and doors.
- Replacement of 2 new high efficiency HVAC units.
- Removal and replacement of the existing floors.
- Painting the entire interior of the building.
- Installation of new energy efficient lighting and controls
- Relocation of the 911 equipment from the existing 911 center.



**Amelia County
Department of Emergency Management**



**2016 CIP Request
EOC Renovation and New 911 Center
Attachment #6**

Demolition					
2948	Sq Ft	Interior Demolition as needed	\$ 4.00	SqFt	\$ 11,792.00
1	Ea	Exterior Demolition as needed	Completed		\$ -
		Demolition Subtotal			\$ 11,792.00
Building Construction					
2948	Sq Ft	Interior Renovation	\$ 30.00	SqFt	\$ 88,440.00
1	Ea	"A" Roof installation	Completed		\$ -
20	Ea	Replace Exterior Windows & Doors	Completed		\$ -
1	Ea	New 4 ton HVAC system	\$ 10,000.00	Ea	\$ 10,000.00
1	Ea	New 1.5 ton HVAC system	\$ 3,750.00	Ea	\$ 3,750.00
10	%	Architect and Engineering			\$ 10,219.00
		Construction Subtotal			\$ 112,409.00
Parking and Accessibility Improvements					
1	Ea	Parking and Drainage Improvements	\$172,222.00	Ea	\$ 172,222.00
1	Ea	Accessibility Improvements	\$ 12,000.00	Ea	\$ 12,000.00
		Parking and Accessibility Subtotal			\$ 184,222.00
		Subtotal-(all items above)			\$ 308,423.00
		10 % Contingencies			\$ 30,842.30
		Project Total			\$ 339,265.30
Notes:					
<p>The square footage to be renovated on this cost estimate is based on total building footage (3350) deducting the (402) square feet previously renovated by county forces. The cost for the Parking Lot and Drainage Improvements is based on the detailed cost estimate that was provided by B&B Consultants for the Amelia Streetscape Project and include engineering cost. All other cost were estimated based on similar completed projects. This estimate does not include the E-911 equipment cost as estimated by the Sheriff's Office. All HVAC units, lighting, windows and insulation will be energy efficient to reduce energy cost.</p>					



**Amelia County
Department of Emergency Management**



**2016 CIP Request
EOC Renovation and New 911 Center
Attachment #7**

Following this page should be the proposal developed by Amelia County Sheriff's Office staff regarding the equipment needed for the new 911 Center. This is a long document. It is not included with this proposal. It should be the same as submitted last year.

FY 2018

Amelia County Water and Sewer Mains Extension

(500 FT ± East of Food Lion Hwy 360)

COST ESTIMATE

October 31, 2012

WATER ITEMS	QUANTITY	COST/UNIT	UNIT	TOTAL COST
12" WATERLINE	550	\$60.00	LF	\$33,000.00
45° BEND	2	\$950.00	EA	\$1,900.00
REMOVE AND RELOCATE 12" PLUG	1	\$400.00	EA	\$400.00
12" GATE VALVE WITH BOX	1	\$2,600.00	EA	\$2,600.00
AIR RELEASE VALVE ASSEMBLY	1	\$2,500.00	EA	\$2,500.00
FIRE HYDRANTS	1	\$4,500.00	EA	\$4,500.00
ITEM SUBTOTAL				\$44,900.00
SEWER ITEMS	QUANTITY	COST/UNIT	UNIT	TOTAL COST
CONNECTION TO EXISTING MANHOLE	1	\$2,000.00	EA	\$2,000.00
MANHOLE	2	\$5,500.00	EA	\$11,000.00
8" GRAVITY SEWER	550	\$60.00	LF	\$33,000.00
ASPALT PATCHING OF F.L. LOADING AREA	1	\$5,000.00	LS	\$5,000.00
ITEM SUBTOTAL				\$51,000.00
SUBTOTAL				\$95,900.00
10% CONTINGENCIES				\$9,590.00
CONSTRUCTION TOTAL				\$105,490.00
ENGINEERING DESIGN (12%)				\$12,658.80
INSPECTION (9.8%)				\$10,338.02
VDOT PERMIT AND BOND				\$2,000.00
EASEMENT ACQUISITION/LEGAL				\$4,000.00
TOTAL				\$134,486.82

①

(1) Office/Department Community Development/Administration	Planning Commission Use								
(2) Project Title Revenue Sharing <table style="margin-left: 300px; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 2px;">Urgent</td> <td style="text-align: center; padding: 2px;">Necessary</td> <td style="text-align: center; padding: 2px;">Desirable</td> </tr> <tr> <td style="text-align: center; padding: 2px;"><input checked="" type="checkbox"/></td> <td style="text-align: center; padding: 2px;"><input type="checkbox"/></td> <td style="text-align: center; padding: 2px;"><input type="checkbox"/></td> </tr> </table> <p style="text-align: center; margin-top: 20px;">Project Priority 1 Year Required 2018</p>	Urgent	Necessary	Desirable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Urgent	Necessary	Desirable							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
(3) Project Description (Include sketches, appraisals, plans, etc.) Allocate Funds for VDOT Revenue Sharing Program									
Attachment # (4) Project Justification (Include ramifications if project is not implemented) To pave unpaved roads throughout the County									
Attachment #1 - County Road Improvement Plan (5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$150,000 to be matched dollar for dollar by VDOT. Funds to be used in conjunction with County Road Fund dollars (approximately \$60,000 per year) for a total of \$210,000. With VDOT match this equates to \$410,000 for road improvements. At \$13,500 per tenth of mile, this equates to just over 3 miles of improvements per year. Attachment # _____ Data Source: VDOT									
(6) Funding source(s) <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">◇ Current Revenue <input checked="" type="checkbox"/></td> <td style="width: 50%; padding: 2px;">◇ Grant (Type) _____</td> </tr> <tr> <td style="padding: 2px;">◇ Revenue Bond _____</td> <td style="padding: 2px;">◇ Loan (Type) _____</td> </tr> <tr> <td style="padding: 2px;">◇ General Obligation Bond _____</td> <td style="padding: 2px;">◇ Special Assessment _____</td> </tr> <tr> <td style="padding: 2px;">◇ Capital Reserve Fund _____</td> <td style="padding: 2px;">◇ Other VDOT Revenue Share _____</td> </tr> </table>	◇ Current Revenue <input checked="" type="checkbox"/>	◇ Grant (Type) _____	◇ Revenue Bond _____	◇ Loan (Type) _____	◇ General Obligation Bond _____	◇ Special Assessment _____	◇ Capital Reserve Fund _____	◇ Other VDOT Revenue Share _____	
◇ Current Revenue <input checked="" type="checkbox"/>	◇ Grant (Type) _____								
◇ Revenue Bond _____	◇ Loan (Type) _____								
◇ General Obligation Bond _____	◇ Special Assessment _____								
◇ Capital Reserve Fund _____	◇ Other VDOT Revenue Share _____								
Requestor David R. Whitaker _____ Date Oct 25, 2012 _____ <p style="text-align: center;">Planning Commission Meeting _____ Date/Time _____</p> Planning Commission Comments: _____ _____ _____									

(1) Office/Department Public Works, Administration	Planning Commission Use												
(2) Project Title Hindle Building Renovation Project Exterior Renovations Phase III	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; border: none;">Urgent</td> <td style="text-align: center; border: none;">Necessary</td> <td style="text-align: center; border: none;">Desirable</td> </tr> <tr> <td style="text-align: center; border: 1px solid black; width: 33px; height: 15px;"></td> <td style="text-align: center; background-color: black; width: 33px; height: 15px;"></td> <td style="text-align: center; border: 1px solid black; width: 33px; height: 15px;"></td> </tr> <tr> <td colspan="2" style="border: none; padding-top: 5px;">Project Priority</td> <td style="text-align: center; border: none; padding-top: 5px;"><u>1</u></td> </tr> <tr> <td colspan="2" style="border: none; padding-top: 5px;">Year Required</td> <td style="text-align: center; border: none; padding-top: 5px;"><u>2018</u></td> </tr> </table>	Urgent	Necessary	Desirable				Project Priority		<u>1</u>	Year Required		<u>2018</u>
Urgent	Necessary	Desirable											
Project Priority		<u>1</u>											
Year Required		<u>2018</u>											
(3) Project Description (Include sketches, appraisals, plans, etc.) Phase III of the Hindle Building Project will consist of building abatement, interior demolition, and exterior renovations. The exterior renovations will include new windows, doors, handicap access, porches, drainage improvements and brick pointing. Attachment # _____													
(4) Project Justification (Include ramifications if project is not implemented) Develop the building into useful space Attachment # _____													
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$387,000.00 Attachment # _____ Data Source: _____													
(6) Funding source(s) <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">◇ Current Revenue _____</td> <td style="width: 50%; border: none;">◇ Grant (Type) _____</td> </tr> <tr> <td style="border: none;">◇ Revenue Bond _____</td> <td style="border: none;">◇ Loan (Type) _____</td> </tr> <tr> <td style="border: none;">◇ General Obligation Bond _____</td> <td style="border: none;">◇ Special Assessment _____</td> </tr> <tr> <td style="border: none;">◇ Capital Reserve Fund _____</td> <td style="border: none;">◇ Other _____</td> </tr> </table>	◇ Current Revenue _____	◇ Grant (Type) _____	◇ Revenue Bond _____	◇ Loan (Type) _____	◇ General Obligation Bond _____	◇ Special Assessment _____	◇ Capital Reserve Fund _____	◇ Other _____					
◇ Current Revenue _____	◇ Grant (Type) _____												
◇ Revenue Bond _____	◇ Loan (Type) _____												
◇ General Obligation Bond _____	◇ Special Assessment _____												
◇ Capital Reserve Fund _____	◇ Other _____												
Requestor: <u>Daryl L. Gough, Director of Public Works</u> Date: <u>10/25/13</u> <div style="text-align: right;"> Planning Commission Meeting _____ Date/Time _____ </div> Planning Commission Comments: _____ _____ _____													

(1) Office/Department Volunteer Fire Department	Planning Commission Use
(2) Project Title Air Utility/	Urgent <input checked="" type="checkbox"/> Necessary <input type="checkbox"/> Desirable <input type="checkbox"/> Project Priority 1 Year Required 2018
(3) Project Description (Include sketches, appraisals, plans, etc.) Replace existing 1995 unit Attachment #	
(4) Project Justification (Include ramifications if project is not implemented) Unit does not meet federal standards Attachment #	
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$ 225,000 Attachment # Data Source:	
(6) Funding source(s) ◇ Current Revenue <input checked="" type="checkbox"/> ◇ Grant (Type) <input checked="" type="checkbox"/> ◇ Revenue Bond _____ ◇ Loan (Type) _____ ◇ General Obligation Bond _____ ◇ Special Assessment _____ ◇ Capital Reserve Fund _____ ◇ Other _____	
Requestor _____ Date <u>10/25/13</u> Planning Commission Meeting _____ Date/Time _____ Planning Commission Comments: _____ _____ _____ <div style="text-align: right;">  </div>	

**Cost Estimate
Emergency Power Generator
Public Works Building
October 10, 2013**

Construction

1 Ea	30 KW Generator Purchase	\$ 17,150.00 Ea	\$ 17,150.00
1 Ea	Automatic Transfer Switch	\$ -	\$ -
1 Ea	Utilities (Electrical & Gas)	\$ 3,100.00 Ea	\$ 3,100.00
1 Ea	Pad, Fencing and Site Work	\$ 500.00 Ea	\$ 500.00

Construction Subtotal \$ 20,750.00

Lump Sum Items

1 Ea	Engineering and Contract Administration		\$ -
------	---	--	------

Lump Sum Subtotal \$ -

Total of Construction and Lump Sum Items \$ 20,750.00

5 % Contingencies \$ 1,037.50

Total Project Estimate \$ 21,787.50

Notes:

This estimate is for materials and equipment needed to install a 30 KW emergency power generator at the Public Works Building. The installation will be done by the Public works Staff.

Cost Estimate
War Memorial Bathroom Addition
October 20, 2012

Construction

1 LS	Demo	\$ 1,000.00	LS	\$ 1,000.00
1 LS	Site Work	\$ 2,300.00	LS	\$ 2,300.00
800 Sqft	Construction	\$ 125.00	Sqft	<u>\$ 100,000.00</u>

Construction Subtotal \$ 103,300.00

Engineering

1 Ea Engineering and Contract Administration \$ 10,330.00

Lump Sum Subtotal \$ 10,330.00

Total of Construction and Lump Sum Items \$ 113,630.00

10 % Contingencies \$ 11,363.00

Total Project Estimate \$ 124,993.00

Notes:

This estimate is to construct a 800 sqft addition onto the War Memorial Building. The addition will house men's and women's showers as well as a janitors closet.

(5)

(1) Office/Department Amelia County Sanitary District, Water Department	Planning Commission Use
(2) Project Title Water Well Exploration, North of 360	
Urgent <input type="checkbox"/> Necessary <input checked="" type="checkbox"/> Desirable <input type="checkbox"/> Project Priority <u>1</u> Year Required <u>2018</u>	
(3) Project Description (Include sketches, appraisals, plans, etc.) This project is the first step in developing water resources North of 360. Currently all of the county's water production wells are located in the village area South of 360 The project consist of identifying groundwater development zones and drilling exploratory wells to determine volume and water quality, North of 360. Attachment #	
(4) Project Justification (Include ramifications if project is not implemented) This will begin developing water resources North of 360 to expand capacity for future industry and growth. This project is currently in the CIP for 2016, I would recommend moving it back to 2017 to allow for the completion of the well exploration and development south of 360. Attachment #	
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$ 150,000.00 Attachment # Data Source: Proposal from Emery and Garrett	
(6) Funding source(s) ◇ Current Revenue _____ ◇ Grant (Type) _____ ◇ Revenue Bond _____ ◇ Loan (Type) _____ ◇ General Obligation Bond _____ ◇ Special Assessment _____ ◇ Capital Reserve Fund _____ ◇ Other _____	
Requestor <u>Daryl Gough, Public Works Director</u> Date <u>10/25/2013</u> Planning Commission Meeting _____ Date/Time _____ Planning Commission Comments: _____ _____ _____	

8

Fire Station Pavement Improvements

Amelia County, Virginia

COST ESTIMATE

November 6, 2014

DESCRIPTION	QUANTITY	COST/UNIT	TOTAL COST
Amelia Co. 1 (1,350sqyds)			
Earthworks & Fine Grading	1,350 sqyds	\$10.00 /sqyd	\$13,500
Stone base (4" average)	330 Ton	\$30.00 /ton	\$9,900
Asphalt Pavement (3" base, 2" surface)	410 Ton	\$125.00 /ton	\$51,250
Pavement Stripping, and other misc	1 LS	\$2,500 LS	\$2,500
E&S Controls, Seeding, & Restoration	1 LS	\$7,500 LS	\$7,500
Construction Staking	1 LS	\$1,750 LS	\$1,750
Demo	800 sqyds	\$7.50 /sqyd	\$6,000
Curb and Gutter	170 Inft	\$35	\$5,950
Radio Tower (guide wire relocation)	1 LS	\$5,000 LS	\$5,000
Bidding & Contract Admin (5%)	1 LS	\$5,168 LS	\$5,168
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$11,152 LS	\$11,152
		Sub-total	\$122,669
Mannboro Co. 2 (2,800sqyds)			
Earthworks & Fine Grading	2,800 sqyds	\$7.50 /sqyd	\$21,000
Stone base (4" average)	690 Ton	\$30.00 /ton	\$20,700
Asphalt Pavement (3" base, 2" surface)	850 Ton	\$125.00 /ton	\$106,250
Pavement Stripping, and other misc	1 LS	\$3,000 LS	\$3,000
E&S Controls, Seeding, & Restoration	1 LS	\$7,000 LS	\$7,000
Construction Staking	1 LS	\$2,250 LS	\$2,250
Bidding & Contract Admin (5%)	1 LS	\$8,010 LS	\$8,010
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$17,121 LS	\$17,121
		Sub-total	\$188,331
Jetersville Co. 3 (1,550sqyds)			
Earthworks & Fine Grading	1,550 sqyds	\$7.50 /sqyd	\$11,625
Stone base (4" average)	385 Ton	\$30.00 /ton	\$11,550
Asphalt Pavement (3" base, 2" surface)	470 Ton	\$125.00 /ton	\$58,750
Pavement Stripping, and other misc	1 LS	\$2,500 LS	\$2,500
E&S Controls, Seeding, & Restoration	1 LS	\$5,000 LS	\$5,000
Construction Staking	1 LS	\$1,750 LS	\$1,750
Bidding & Contract Admin (5%)	1 LS	\$4,559 LS	\$4,559
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$9,873 LS	\$9,873
		Sub-total	\$108,607
Mattoax Co. 4 (585sqyds HD + 650sqyds LD)			
Earthworks & Fine Grading	1,235 sqyds	\$7.50 /sqyd	\$9,263
Stone base (4" average)	300 Ton	\$30.00 /ton	\$9,000
Asphalt Pavement (3" base, 2" surface)	255 Ton	\$125.00 /ton	\$31,875
Pavement Stripping, and other misc	1 LS	\$2,500 LS	\$2,500
E&S Controls, Seeding, & Restoration	1 LS	\$5,000 LS	\$5,000
Construction Staking	1 LS	\$1,750 LS	\$1,750
Bidding & Contract Admin (5%)	1 LS	\$2,969 LS	\$2,969
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$6,536 LS	\$6,536
		Sub-total	\$71,893
Paineville Co. 5 (1675sqyds)			
Earthworks & Fine Grading	1,675 sqyds	\$7.50 /sqyd	\$12,563
Stone base (4" average)	420 Ton	\$30.00 /ton	\$12,600
Asphalt Pavement (3" base, 2" surface)	515 Ton	\$125.00 /ton	\$64,375
Pavement Stripping, and other misc	1 LS	\$3,000 LS	\$3,000
E&S Controls, Seeding, & Restoration	1 LS	\$5,000 LS	\$5,000
Construction Staking	1 LS	\$1,750 LS	\$1,750
Bidding & Contract Admin (5%)	1 LS	\$4,964 LS	\$4,964
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$10,725 LS	\$10,725
		Sub-total	\$117,977
Construction Total			\$609,477
Engineering (Design Only)			\$30,474
Project Total			\$639,951

Note: This estimate is based on rough quantities for each location, an updated cost estimate will be available at the completion of the design phase.

(1) Office/Department Community Development	Planning Commission Use
(2) Project Title GIS County-wide	Urgent <input checked="" type="checkbox"/> Necessary <input type="checkbox"/> Desirable <input type="checkbox"/> Project Priority 2 Year Required 2017
(3) Project Description (Include sketches, appraisals, plans, etc.) Hardware, software, and connectivity to establish a County-wide GIS system to incorporate 911, water/sewer, tax maps, zoning and other requirements under a single user data base.	
Attachment # (4) Project Justification (Include ramifications if project is not implemented) To allow all departments/agencies to use a single data base reducing redundancies and removes guesswork. Also will remove confusion of multiple data sources that have been developed over many year using different technologies.	
Attachment # (5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) Phase over three years . Year One \$ 40,000; ear Two \$45,000; Year Three \$65,000 Information Manager \$40,000 (3rd year) Total \$150,000	
Attachment # Data Source:	
(6) Funding source(s) ◇ Current Revenue _____ ◇ Revenue Bond _____ ◇ General Obligation Bond _____ ◇ Capital Reserve Fund _____ ◇ Grant (Type) _____ ◇ Loan (Type) _____ ◇ Special Assessment _____ ◇ Other _____	
Requestor: David R. Whitaker Date: Oct 25, 2013 Planning Commission Meeting _____ Date/Time _____ Planning Commission Comments: _____ _____ _____	

CAPITAL IMPROVEMENT PROJECT REQUEST

(1) Office/Department Amelia County Dept. of Emergency Management	Planning Commission Use
(2) Project Title Public Safety Radio Systyem Upgrades	Urgent Necessary Desirable <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Project Priority <u>Necessary</u> Year Required <u>2017</u>
(3) Project Description (Include sketches, appraisals, plans, etc.) This project includes needed upgrades to the existing public safety radio system used used by the county's emergency services agencies. Please see Attachment #1 for detailed information	
Attachment # 1 cont.	
(4) Project Justification (Include ramifications if project is not implemented) Potential responder safety issues drive this project. Please see Attachment #2 for detailed information	
Attachment # 2 cont.	
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$459,330 This is the total estimated cost for Phase 1 of the project. See Attachment # 3 for the quote.	
Attachment # 3 Data Source: Commtronics of Virginia	
(6) Funding source(s)	
◇ Current Revenue _____ ◇ Grant (Type) _____ ◇ Revenue Bond _____ ◇ Loan (Type) _____ ◇ General Obligation Bond _____ ◇ Special Assessment _____ ◇ Capital Reserve Fund <u>X</u> _____ ◇ Other _____	
Requestor <u>Kent Emerson</u> Date <u>10/24/14</u>	
Planning Commission Meeting _____ Date/Time	
Planning Commission Comments: _____ _____ _____	



Amelia County
Department of Emergency Management



2017 CIP Request
Public Safety Radio System Upgrades
Attachment #1

(3) Project Description (cont.)

Prior to 2004, the county's public safety radio system was a piecemeal system with each agency responsible for planning and maintaining their own individual systems. In 2004, the county replaced the individual radio systems used by our public safety agencies with one integrated, updated system. The replacement was originally planned for multiple phases. The 2004 upgrade was the first phase. Due to personnel turnover with the county, the remaining phases were never completed. This project resumes the remaining phase of completing the public safety radio system upgrades.

This project will include:

- An additional radio transmission site (to include a new tower, if necessary) on the eastern end of the county.
- An additional radio transmission site (to include a new tower, if necessary) on the western end of the county.
- Moving existing radio equipment from the Cheatham's Road tower to the county's water tower.
- All additional radio equipment to achieve simulcast capability across the system.
- All new equipment will be P-25 compatible (digital), which is a requirement for any future grant opportunities.



Amelia County
Department of Emergency Management



2017 CIP Request
Public Safety Radio System Upgrades
Attachment #2

(4) Project Justification (cont.)

The existing public safety radio system provides good coverage for the central area of the county. However, at various points within the county, particularly at the furthest east and furthest west areas, public safety radio coverage is limited or non-existent.

This problem could jeopardize the safety of deputies, firefighters, and emergency medical providers when responding to emergency incidents. Deputies needing assistance could potentially not be heard. Firefighters trapped in a burning building may not be heard. And emergency medical providers needing assistance on medical incidents may not be heard. The additional radio transmission sites will provide needed radio coverage across the county, thereby providing the safety needed by all our emergency services workers.

This project will also allow us to be able to move our existing radio equipment from the Cheatham's Road tower (in which we pay rent) to the county's water tower. This cannot be done currently due to the fact that lowering the transmitters from the existing height on the Cheatham's Road tower, to the lower height on the water tower, would severely limit the existing radio system, creating much larger areas of the county that would not have radio coverage.



Amelia County
Department of Emergency Management



2017 CIP Request
Public Safety Radio System Upgrades
Attachment #3

(5) Cost (cont.)



AMELIA, County of
3-Site Simulcast System Upgrade

PROPOSAL

WEST END SITE (\$459,330.00)

(1) Rohn Tower, 180', includes all parts and labor. Pricing does not include land acquisition, site improvements, or potential FCC or FAA regulatory fees.	\$125,000.00
(1) Building / Equipment Shelter	\$10,000.00
(3) GTR 8000 Repeaters for Sheriff, Fire and Rescue	\$61,180.00
(1) Combiner / Multicoupler / Duplexer (Special Make for frequencies)	\$21,000.00
(1) Battery Back UP	\$950.00
(6) Batteries and Boxes	\$1,200.00
(1) Antenna Systems with 200' of 1/2" line	\$6,000.00
(3) Simulcast equipment for Sheriff, Fire and Rescue including GPS master oscillator, variable line delay, IP audio decoder, connectivity to prime sites, and installation of all West site equipment.	\$234,000.00

SIMULCAST SOLUTION TOTAL \$459,330.00

PRICING IS BASED ON LINE-OF-SITE BETWEEN REMOTE SITES TO PRIME SITE

(1) Office/Department Amelia County Public Schools	Planning Commission Use						
(2) Project Title <table style="float: right; margin-left: 20px;"> <tr> <td style="text-align: center;">Urgent</td> <td style="text-align: center;">Necessary</td> <td style="text-align: center;">Desirable</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> Repave and add additional parking spaces to the middle/elementary school. Priority <u>3</u> Year Required <u>2016</u>	Urgent	Necessary	Desirable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Urgent	Necessary	Desirable					
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
(3) Project Description (Include sketches, appraisals, plans, etc.) Expand High School, Middle School and Elementary School parking lots and make adjustments to the entrance and loading area to accommodate more vehicles. Attachment#							
(4) Project Justification (Include ramifications if project is not implemented) Parking and pickup areas are congested. Also the High School student and faculty parking lot have asphalt breaking apart. Attachment #							
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) Planning/Engineering/Legal 5% Acquisition /Construction and Equipment \$250,000.00 Total \$500,000.00 Attachment#							
(6) Funding source(s) <table style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 50%; vertical-align: top;"> ◇ Current Revenue _____ ◇ Revenue Bond _____ ◇ General Obligation Bond _____ ◇ Capital Reserve Fund _____ </td> <td style="width: 50%; vertical-align: top;"> ◇ Grant (Type) _____ ◇ Loan (Type) _____ ◇ Special Assessment _____ ◇ Other _____ </td> </tr> </table>	◇ Current Revenue _____ ◇ Revenue Bond _____ ◇ General Obligation Bond _____ ◇ Capital Reserve Fund _____	◇ Grant (Type) _____ ◇ Loan (Type) _____ ◇ Special Assessment _____ ◇ Other _____					
◇ Current Revenue _____ ◇ Revenue Bond _____ ◇ General Obligation Bond _____ ◇ Capital Reserve Fund _____	◇ Grant (Type) _____ ◇ Loan (Type) _____ ◇ Special Assessment _____ ◇ Other _____						
Requestor <u>Catherine W. Shelkerson</u> Date <u>October 23, 2014</u> Planning Commission Meeting _____ Date/Time _____ Planning Commission Comments: _____ _____ _____							

CAPITAL IMPROVEMENT PROJECT REQUEST

(1) Office/Department Amelia County Dept. of Emergency Management	Planning Commission Use
(2) Project Title Emergency Operations Center Renovation including new 911 Center	Urgent <input checked="" type="checkbox"/> Necessary <input type="checkbox"/> Desirable <input type="checkbox"/> Project Priority <u>Urgent</u> Year Required <u>2017</u>
(3) Project Description (Include sketches, appraisals, plans, etc.) This project includes completion of the renovation of the Emergency Operations Center building. This project also includes moving the Amelia County 911 Center from it's current location in the Amelia County Sheriff's Office, into the EOC building. This project encompasses renovation of the EOC building, Attachment # 1, 4 cont.	
(4) Project Justification (Include ramifications if project is not implemented) Initial phase of the EOC building renovation has been completed. This includes the office of the Director of Emergency Management, and bathroom areas. The remaining area of the building still needs to be completed in order to have an operational EOC during emergency events. The EOC is the area in which the Attachment # 2. cont.	
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$500,000 Phase III Total All Phases \$1,174,255 This project could potentially be broken into phases if necessary due. See Attachment #3 for breakdown and details. Attachment #3, 5, 6 Data Source: See Attachment #3 for sources	
(6) Funding source(s) ◇ Current Revenue _____ ◇ Grant (Type) _____ ◇ Revenue Bond _____ ◇ Loan (Type) _____ ◇ General Obligation Bond _____ ◇ Special Assessment _____ ◇ Capital Reserve Fund <u>X</u> _____ ◇ Other _____	
Requestor <u>Kent Emerson</u> Date <u>10/24/14</u> Planning Commission Meeting _____ <div style="text-align: right;">Date/Time</div>	
Planning Commission Comments: _____ _____ _____	



Amelia County
Department of Emergency Management



2017 CIP Request
EOC Renovation and New 911 Center
Attachment #1

(3) Project Description (cont.)

renovation of the parking area surrounding the EOC building, and installation of 911 Center equipment. The renovation of the EOC building will included changes needed for security needed by the 911 Center. The renovation of the parking area will include the entire parking area directly adjacent to the EOC building as well as the area adjacent to the Hindle Building currently used as public parking. The creation of the new 911 Center will include all communications and radio equipment, all computers and information technology equipment, and all office equipment. See *attachment #4* for a sketch of the EOC building layout.



Amelia County
Department of Emergency Management



**2017 CIP Request
EOC Renovation and New 911 Center
Attachment #2**

(4) Project Justification (cont.)

appropriate leadership (depending upon event) of the County gathers in order to coordinate the response to the given emergency. We began the process of developing a usable EOC with Phase 1 of this project. This current CIP request will complete the renovation needed to make the EOC operational. Equipment for the EOC has already been obtained through several grant opportunities. While additional equipment may be needed in the future, the need for this additional equipment is not urgent.

The parking area renovation requested will not only serve the needs of the EOC, but will also provide a larger, all-weather, parking area for the County Administration building, as well as the Hindle Building if used in the future. This parking area will be used by county staff as well as the public. It will also provide better parking during the Parks and Recreation Dept. activities on Hindle Field.

The current 911 Center in the Sheriff's Office has limited space that it is outgrowing. There is no additional space in the Sheriff's Office for the 911 Center. There is also need in the Sheriff's Office for additional office space. After discussions between the Amelia County Sheriff's Office, Amelia County Dept. of Emergency Management, and Amelia County Administration, it was determined that the remaining area in the EOC building would be sufficient for current and future growth of the 911 Center. And placement of the 911 Center in the same building as the EOC will facilitate better communications during an emergency event, thereby enabling the staff to provide better service to the citizens of Amelia County. Placement of the 911 Center into the EOC building is an excellent use of the space, and the missions of both the EOC and the 911 Center will both be enhanced by being in the same building. By moving the 911 Center to the EOC building, this will also free up office space that can be used by the Sheriff's Office for other needed functions. This CIP request includes all radio and communications equipment, computer and information technology equipment, as well as office furniture and fixtures. This installation of new equipment in the new 911 Center will enable some of the old equipment in the current 911 Center within the Sheriff's Office, to be used in another project which will provide a true back capability for our 911 Center, which does not effectively currently exist. This will be the subject of a future project, funded either through grants or CIP requests.



Amelia County
Department of Emergency Management



2017 CIP Request
EOC Renovation and New 911 Center
Attachment #3

(5) Costs (cont.)

Total remaining costs of project: \$1,174,255.30

See **attachment #5** for a detailed Scope of Work for EOC building renovations and parking area renovations. See **attachment #6** for detailed costs of these items. These were provided by Amelia County Director of Public Works, Daryl Gough.

Building Renovation (construction and demolition)	\$136,621.10
Parking Renovation (including accessibility improvements)	<u>\$202,644.20</u>
Total for building renovations and parking area renovations	\$339,265.30

See **attachment #7** for a detailed synopsis of the equipment needed to create the new 911 Center. This synopsis was provided by staff of the Amelia County Sheriff's Office.

911 Phone System	\$267,000
Phone System maintenance	\$25,000
Consoles	\$65,000
Radio System	\$110,590
911 Chairs	\$7,500
Office Furniture	\$6,000
Office Machines	\$5,600
Emergency Dispatch Software	\$115,000
GeoComm (GIS) Software	\$68,500
OpenFox Software	\$1,100
911 Computers and Software	\$58,000
DaPro Software	\$49,200
Backroom IT Equipment	\$25,000
Camera / Security / Entry System	\$18,500
Computer Services / Fiber	\$12,000
VaWAS Phone System	<u>\$1,000</u>
Total for new 911 Center equipment	\$834,990

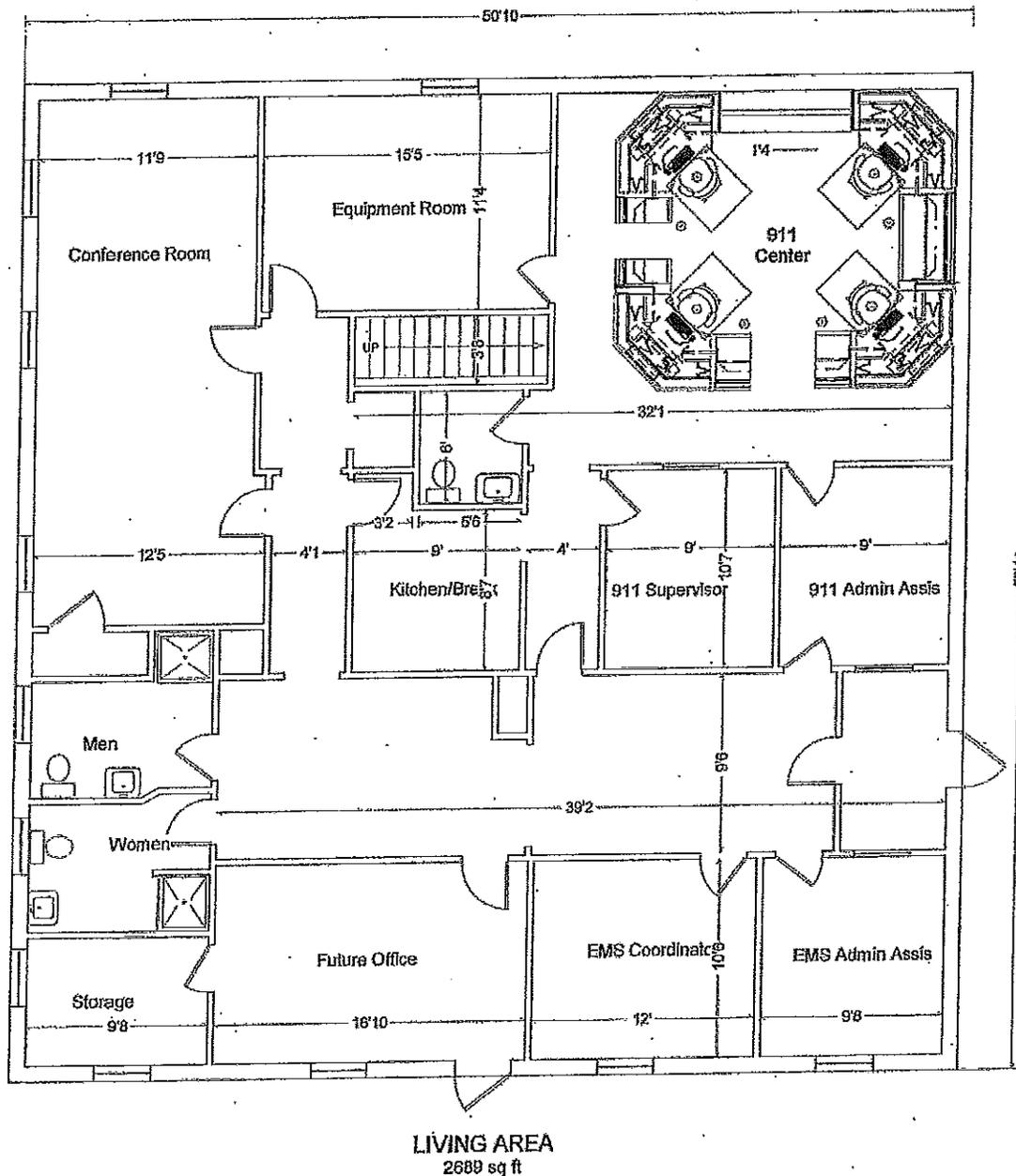
This project can be broken into multiple phases as needed due to funding limitations. However, the building renovations must be included as part of the next phase. None of the other work or equipment related to the new 911 Center can move forward until the building is ready. **Attachment #7** describes a method for phasing in the new 911 Center equipment also. However, until the building renovations are completed, and Phase 1 (as described in attachment #7) is implemented, the new 911 Center will not be in service, and no benefits to the Sheriff's Office will be realized.



Amelia County
Department of Emergency Management



2017 CIP Request
EOC Renovation and New 911 Center
Attachment #4





Amelia County
Department of Emergency Management



2017 CIP Request
EOC Renovation and New 911 Center
Attachment #5

Emergency Operations Center
Renovations and Access Improvements
Scope of Work

Renovations to the Emergency Operations Center will be completed to make this building into a more usable, accessible and energy efficient space for emergency communications and operations. Listed below are details of the areas to be addressed by the renovations and accessibility improvements to the county's emergency operation center.

Parking and Accessibility

- Demolition of the existing deteriorating parking lot. Construction of a new parking lot with curb and gutter, storm sewer, sidewalks, paving and striping.
- Demolition of the existing dilapidated wood and masonry porches and handicap ramps. These will be replaced with brick and concrete construction with painted black metal railings.
- Removal and replacement of existing deteriorating sidewalks that will lead from the new porches and ramps to the new parking area.
- Grading and reseeding the yard with the addition of additional landscaping.

Building Renovations

- Demolition of existing interior walls and finishes as needed.
- The Construction of walls to the new layout.
- Insulating the entire building to reduce energy consumption.
- Install new energy efficient windows and doors.
- Replacement of 2 new high efficiency HVAC units.
- Removal and replacement of the existing floors.
- Painting the entire interior of the building.
- Installation of new energy efficient lighting and controls
- Relocation of the 911 equipment from the existing 911 center.



**Amelia County
Department of Emergency Management**



**2017 CIP Request
EOC Renovation and New 911 Center
Attachment #6**

Demolition					
2948	Sq Ft	Interior Demolition as needed	\$ 4.00	SqFt	\$ 11,792.00
.1	Ea	Exterior Demolition as needed	Completed		\$ -
		Demolition Subtotal			\$ 11,792.00
Building Construction					
2948	Sq Ft	Interior Renovation	\$ 30.00	SqFt	\$ 88,440.00
1	Ea	"A" Roof installation	Completed		\$ -
20	Ea	Replace Exterior Windows & Doors	Completed		\$ -
1	Ea	New 4 ton HVAC system	\$ 10,000.00	Ea	\$ 10,000.00
1	Ea	New 1.5 ton HVAC system	\$ 3,750.00	Ea	\$ 3,750.00
10	%	Architect and Engineering			\$ 10,219.00
		Construction Subtotal			\$ 112,409.00
Parking and Accessibility Improvements					
1	Ea	Parking and Drainage Improvements	\$172,222.00	Ea	\$ 172,222.00
1	Ea	Accessibility Improvements	\$ 12,000.00	Ea	\$ 12,000.00
		Parking and Accessibility Subtotal			\$ 184,222.00
		Subtotal-(all items above)			\$ 308,423.00
		10 % Contingencies			\$ 30,842.30
		Project Total			\$ 339,265.30
Notes:					

The square footage to be renovated on this cost estimate is based on total building footage (3350) deducting the (402) square feet previously renovated by county forces.
 The cost for the Parking Lot and Drainage Improvements is based on the detailed cost estimate that was provided by B&B Consultants for the Amelia Streetscape Project and include engineering cost. All other cost were estimated based on similar completed projects.
 This estimate does not include the E-911 equipment cost as estimated by the Sheriff's Office.
 All HVAC units, lighting, windows and insulation will be energy efficient to reduce energy cost.



**Amelia County
Department of Emergency Management**



**2017 CIP Request
EOC Renovation and New 911 Center
Attachment #7**

Following this page should be the proposal developed by Amelia County Sheriff's Office staff regarding the equipment needed for the new 911 Center. This is a long document. It is not included with this proposal. It should be the same as submitted last year.

FY 2019

(1) Office/Department Community Development/Administration	Planning Commission Use
(2) Project Title Revenue Sharing	Urgent <input checked="" type="checkbox"/> Necessary <input type="checkbox"/> Desirable <input type="checkbox"/> Project Priority 1 Year Required 2019
(3) Project Description (Include sketches, appraisals, plans, etc.) Allocate Funds for VDOT Revenue Sharing Program Attachment #	
(4) Project Justification (Include ramifications if project is not implemented) To pave unpaved roads throughout the County Attachment #1 - County Road Improvement Plan	
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$150,000 to be matched dollar for dollar by VDOT. Funds to be used in conjunction with County Road Fund dollars (approximately \$60,000 per year) for a total of \$210,000. With VDOT match this equates to \$410,000 for road improvements. At \$13,500 per tenth of mile, this equates to just over 3 miles of improvements per year. Attachment # Data Source: VDOT	
(6) Funding source(s) ◇ Current Revenue <input checked="" type="checkbox"/> ◇ Grant (Type) _____ ◇ Revenue Bond _____ ◇ Loan (Type) _____ ◇ General Obligation Bond _____ ◇ Special Assessment _____ ◇ Capital Reserve Fund _____ ◇ Other VDOT Revenue Share _____	
Requestor David R. Whitaker _____ Date Oct 25, 2012 _____ Planning Commission Meeting _____ Date/Time _____ Planning Commission Comments: _____ _____ _____	

(1) Office/Department Public Works, Administration	Planning Commission Use												
(2) Project Title Hindle Building Renovation Project Interior Renovations Phase IV	<table border="0"> <tr> <td style="text-align: center;">Urgent</td> <td style="text-align: center;">Necessary</td> <td style="text-align: center;">Desirable</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td colspan="2" style="text-align: center;">Project Priority</td> <td style="text-align: center;"><u>1</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">Year Required</td> <td style="text-align: center;"><u>2019</u></td> </tr> </table>	Urgent	Necessary	Desirable	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Project Priority		<u>1</u>	Year Required		<u>2019</u>
Urgent	Necessary	Desirable											
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>											
Project Priority		<u>1</u>											
Year Required		<u>2019</u>											
(3) Project Description (Include sketches, appraisals, plans, etc.) Phase IV of the Hindle Building Project will be to complete the interior portion of building.													
Attachment # (4) Project Justification (Include ramifications if project is not implemented) Develop the building into useful space.													
Attachment # (5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$415,000.00													
Attachment # _____ Data Source: _____ (6) Funding source(s) <table border="0"> <tr> <td>◇ Current Revenue _____</td> <td>◇ Grant (Type) _____</td> </tr> <tr> <td>◇ Revenue Bond _____</td> <td>◇ Loan (Type) _____</td> </tr> <tr> <td>◇ General Obligation Bond _____</td> <td>◇ Special Assessment _____</td> </tr> <tr> <td>◇ Capital Reserve Fund _____</td> <td>◇ Other _____</td> </tr> </table>	◇ Current Revenue _____	◇ Grant (Type) _____	◇ Revenue Bond _____	◇ Loan (Type) _____	◇ General Obligation Bond _____	◇ Special Assessment _____	◇ Capital Reserve Fund _____	◇ Other _____					
◇ Current Revenue _____	◇ Grant (Type) _____												
◇ Revenue Bond _____	◇ Loan (Type) _____												
◇ General Obligation Bond _____	◇ Special Assessment _____												
◇ Capital Reserve Fund _____	◇ Other _____												
Requestor: Daryl L. Gough, Director of Public Date: 10/25/13 Planning Commission Meeting _____ Date/Time _____ Planning Commission Comments: _____ _____ _____													

<p>(1) Office/Department</p> <p>Volunteer Fire Department</p>	<p>Planning Commission Use</p>
<p>(2) Project Title</p> <p>Tanker Truck Station 1</p> <p style="text-align: center;"> <input checked="" type="checkbox"/> Urgent <input type="checkbox"/> Necessary <input type="checkbox"/> Desirable </p> <p style="text-align: center;"> Project Priority 1 Year Required 2019 </p>	
<p>(3) Project Description (Include sketches, appraisals, plans, etc.)</p> <p>Replace existing 1999 unit</p> <p>Attachment #</p>	
<p>(4) Project Justification (Include ramifications if project is not implemented)</p> <p>Unit does not meet federal standards</p> <p>Attachment #</p>	
<p>(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction)</p> <p>\$348,000</p> <p>Attachment # Data Source:</p>	
<p>(6) Funding source(s)</p> <p> <input checked="" type="checkbox"/> Current Revenue <input checked="" type="checkbox"/> Grant (Type) </p> <p> <input type="checkbox"/> Revenue Bond <input type="checkbox"/> Loan (Type) </p> <p> <input type="checkbox"/> General Obligation Bond <input type="checkbox"/> Special Assessment </p> <p> <input type="checkbox"/> Capital Reserve Fund <input type="checkbox"/> Other </p>	
<p>Requestor _____ Date <u>10/25/13</u></p> <p style="text-align: right;">Planning Commission Meeting _____ Date/Time</p> <p>Planning Commission Comments: _____</p> <p>_____</p> <p>_____</p> <p style="text-align: right;">③</p>	

(1) Office/Department Amelia County Sanitary District, Water Department	Planning Commission Use
(2) Project Title Water Well Development, North of 360	
(3) Project Description (Include sketches, appraisals, plans, etc.) This is the second step in developing water resources North of 360. The project consist of converting wells that were drill in the exploratory phase into permitted production wells.	
(4) Project Justification (Include ramifications if project is not implemented) This project will expand our water capacity to allow for future industry and growth.	
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$ 145,000.00	
Attachment # _____ Data Source: Proposal from Emery and Garrett	
(6) Funding source(s) ◇ Current Revenue _____ ◇ Grant (Type) _____ ◇ Revenue Bond _____ ◇ Loan (Type) _____ ◇ General Obligation Bond _____ ◇ Special Assessment _____ ◇ Capital Reserve Fund _____ ◇ Other _____	
Requestor <u>Daryl Gough, Public Works Director</u> Date <u>10/25/2013</u> Planning Commission Meeting _____ Date/Time _____ Planning Commission Comments: _____ _____ _____	

5

(1) Office/Department Amelia County Sanitary District, Wastewater Department	Planning Commission Use
(2) Project Title Pridesville Rd Wastewater Treatment Plant Upgrade Urgent <input type="checkbox"/> Necessary <input checked="" type="checkbox"/> Desirable <input type="checkbox"/> Project Priority <u>1</u> Year Required <u>2019</u>	
(3) Project Description (Include sketches, appraisals, plans, etc.) Upgrades and improvements to the existing Pridesville Rd WWTP. Attachment #	
(4) Project Justification (Include ramifications if project is not implemented) This project consist of plant control, pump and building improvements. The current plant controls are outdated and obsolete. Pumps will be upgraded for efficiency. Existing buildings will be upgraded and a new protective cover be constructed over existing outside equipment. Attachment #	
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) <p style="text-align: right;">\$311,680.00</p> Attachment # Data Source: B & B Consultants	
(6) Funding source(s) ◇ Current Revenue _____ ◇ Grant (Type) _____ ◇ Revenue Bond _____ ◇ Loan (Type) _____ ◇ General Obligation Bond _____ ◇ Special Assessment _____ ◇ Capital Reserve Fund _____ ◇ Other _____	
Requestor <u>Daryl Gough, Director of Public Works</u> Date <u>10/27/2014</u> Planning Commission Meeting _____ Date/Time _____ Planning Commission Comments: _____ _____ _____	

⑥

**Wastewater Treatment Facility Improvements
Amelia County, Virginia
COST ESTIMATE**

October 22, 2014

DESCRIPTION	QUANTITY	COST/UNIT	TOTAL COST
Building Improvements			
Roof structure over grit chamber & septic tanks			
54'x38' pre-fab metal building & erection (L shaped)	1,500 sqft	\$25 sqft	\$37,500
Foundation (8 - 30"dia piers)	8 ea	\$2,500 ea	\$20,000
Electrical & lighting	1 LS	\$5,000 LS	\$5,000
Roof Improvements			
Control Building (30yr asphalt shingles)	1,600 sqft	\$2.75 /sqft	\$4,400
Chem Building (30yr asphalt shingles)	700 sqft	\$2.75 /sqft	\$1,925
Blower Building (30yr asphalt shingles)	750 sqft	\$2.75 /sqft	\$2,063
Misc. Building Improvements			
Chem Building - Install ventilation fan and actuated louver	1 LS	\$3,000 LS	\$3,000
Blower Building - Install ventilation fan and actuated louver	1 LS	\$3,000 LS	\$3,000
		Sub-total	\$76,888
Pump and Equipment Upgrades			
Rotamat Equipment Repairs (replace solenoids, install heat trace wire, fabricate housing shield)	1 LS	\$3,500 LS	\$3,500
Pump Replacements (furnish & replace, including misc piping & fittings)			
Grit chamber submersible grinder pump (pump \$3,900)	1 ea	\$5,500 ea	\$5,500
Yard pump station submersible grinder pump (pump \$3,900)	2 ea	\$5,500 ea	\$11,000
Sludge wasting pump in oxidation ditch (pump \$3,985)	2 ea	\$5,500 ea	\$11,000
CL2 solution pump (pump \$1,085)	2 ea	\$1,750 ea	\$3,500
Non-potable make water pump (pump \$1,817)	2 ea	\$2,500 ea	\$5,000
		Sub-Total	\$39,500
Control Upgrades			
Main Plant PLC, Controls, & Integrate SCADA system	1 LS	\$130,000 LS	\$130,000
		Sub-Total	\$130,000
Total Construction			\$246,388
Engineering and Contract Administration			\$36,958
Total of Construction, Engineering and Contract Administration			\$283,346
10 % Contingencies			\$28,335
		Project Total	\$311,680

CAPITAL IMPROVEMENT PROJECT REQUEST

<p>(1) Office/Department</p> <p>Public Works, Maintenance Department</p>	<p align="center">Planning Commission Use</p>
<p>(2) Project Title</p> <p>Fire Station Pavement Improvements, Phase IV</p> <p align="center"> Urgent Necessary Desirable <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> </p> <p align="right"> Project Priority: <u>1</u> Year Required: <u>2019</u> </p>	
<p>(3) Project Description (Include sketches, appraisals, plans, etc.)</p> <p>Fire Station Pavement Improvements Phase IV, is the bidding & construction phase for station # 5.</p> <p>Attachment # _____</p>	
<p>(4) Project Justification (Include ramifications if project is not implemented)</p> <p>The fire department has requested that the county pursue this project to help with maintenance and cleanliness of the buildings. The project will define parking spaces that will help with traffic flow.</p> <p>Attachment # _____</p>	
<p>(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction)</p> <p>\$118,000.00</p> <p>Attachment # <u>1</u> Data Source: B&B Consultants, Inc.</p>	
<p>(6) Funding source(s)</p> <p> <input type="checkbox"/> Current Revenue _____ <input type="checkbox"/> Grant (Type) _____ <input type="checkbox"/> Revenue Bond _____ <input type="checkbox"/> Loan (Type) _____ <input type="checkbox"/> General Obligation Bond _____ <input type="checkbox"/> Special Assessment _____ <input type="checkbox"/> Capital Reserve Fund _____ <input type="checkbox"/> Other _____ </p>	
<p>Requestor: <u>Daryl L. Gough, Director of Public Works</u> Date: <u>11/7/14</u></p> <p align="center">Planning Commission Meeting _____</p> <p align="right">Date/Time _____</p> <p>Planning Commission Comments: _____</p> <p>_____</p> <p>_____</p> <p align="right">7</p>	

Fire Station Pavement Improvements

Amelia County, Virginia

COST ESTIMATE

November 6, 2014

DESCRIPTION	QUANTITY	COST/UNIT	TOTAL COST
Amelia Co. 1 (1,350sqyds)			
Earthworks & Fine Grading	1,350 sqyds	\$10.00 /sqyd	\$13,500
Stone base (4" average)	330 Ton	\$30.00 /ton	\$9,900
Asphalt Pavement (3" base, 2" surface)	410 Ton	\$125.00 /ton	\$51,250
Pavement Stripping, and other misc	1 LS	\$2,500 LS	\$2,500
E&S Controls, Seeding, & Restoration	1 LS	\$7,500 LS	\$7,500
Construction Staking	1 LS	\$1,750 LS	\$1,750
Demo	800 sqyds	\$7.50 /sqyd	\$6,000
Curb and Gutter	170 Inft	\$35	\$5,950
Radio Tower (guide wire relocation)	1 LS	\$5,000 LS	\$5,000
Bidding & Contract Admin (5%)	1 LS	\$5,168 LS	\$5,168
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$11,152 LS	\$11,152
		Sub-total	\$122,669
Mannboro Co. 2 (2,800sqyds)			
Earthworks & Fine Grading	2,800 sqyds	\$7.50 /sqyd	\$21,000
Stone base (4" average)	690 Ton	\$30.00 /ton	\$20,700
Asphalt Pavement (3" base, 2" surface)	850 Ton	\$125.00 /ton	\$106,250
Pavement Stripping, and other misc	1 LS	\$3,000 LS	\$3,000
E&S Controls, Seeding, & Restoration	1 LS	\$7,000 LS	\$7,000
Construction Staking	1 LS	\$2,250 LS	\$2,250
Bidding & Contract Admin (5%)	1 LS	\$8,010 LS	\$8,010
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$17,121 LS	\$17,121
		Sub-total	\$188,331
Jetersville Co. 3 (1,550sqyds)			
Earthworks & Fine Grading	1,550 sqyds	\$7.50 /sqyd	\$11,625
Stone base (4" average)	385 Ton	\$30.00 /ton	\$11,550
Asphalt Pavement (3" base, 2" surface)	470 Ton	\$125.00 /ton	\$58,750
Pavement Stripping, and other misc	1 LS	\$2,500 LS	\$2,500
E&S Controls, Seeding, & Restoration	1 LS	\$5,000 LS	\$5,000
Construction Staking	1 LS	\$1,750 LS	\$1,750
Bidding & Contract Admin (5%)	1 LS	\$4,559 LS	\$4,559
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$9,873 LS	\$9,873
		Sub-total	\$108,607
Mattoax Co. 4 (585sqyds HD + 650sqyds LD)			
Earthworks & Fine Grading	1,235 sqyds	\$7.50 /sqyd	\$9,263
Stone base (4" average)	300 Ton	\$30.00 /ton	\$9,000
Asphalt Pavement (3" base, 2" surface)	255 Ton	\$125.00 /ton	\$31,875
Pavement Stripping, and other misc	1 LS	\$2,500 LS	\$2,500
E&S Controls, Seeding, & Restoration	1 LS	\$5,000 LS	\$5,000
Construction Staking	1 LS	\$1,750 LS	\$1,750
Bidding & Contract Admin (5%)	1 LS	\$2,969 LS	\$2,969
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$6,536 LS	\$6,536
		Sub-total	\$71,893
Paineville Co. 5 (1675sqyds)			
Earthworks & Fine Grading	1,675 sqyds	\$7.50 /sqyd	\$12,563
Stone base (4" average)	420 Ton	\$30.00 /ton	\$12,600
Asphalt Pavement (3" base, 2" surface)	515 Ton	\$125.00 /ton	\$64,375
Pavement Stripping, and other misc	1 LS	\$3,000 LS	\$3,000
E&S Controls, Seeding, & Restoration	1 LS	\$5,000 LS	\$5,000
Construction Staking	1 LS	\$1,750 LS	\$1,750
Bidding & Contract Admin (5%)	1 LS	\$4,964 LS	\$4,964
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$10,725 LS	\$10,725
		Sub-total	\$117,977
Construction Total			\$609,477
Engineering (Design Only)			\$30,474
Project Total			\$639,951

Note: This estimate is based on rough quantities for each location, an updated cost estimate will be available at the completion of the design phase.

CAPITAL IMPROVEMENT PROJECT REQUEST

<p>(1) Office/Department Amelia County Dept. of Emergency Management</p>	<p>Planning Commission Use</p>
<p>(2) Project Title Emergency Operations Center Renovation including new 911 Center</p> <p align="center"> Urgent <input checked="" type="checkbox"/> Necessary <input type="checkbox"/> Desirable <input type="checkbox"/> </p> <p align="center"> Project Priority <u>Urgent</u> Year Required <u>2018</u> / _____ </p>	
<p>(3) Project Description (Include sketches, appraisals, plans, etc.) This project includes completion of the renovation of the Emergency Operations Center building. This project also includes moving the Amelia County 911 Center from it's current location in the Amelia County Sheriff's Office, into the EOC building. This project encompasses renovation of the EOC building, Attachment # 1, 4 cont. </p>	
<p>(4) Project Justification (Include ramifications if project is not implemented) Initial phase of the EOC building renovation has been completed. This includes the office of the Director of Emergency Management, and bathroom areas. The remaining area of the building still needs to be completed in order to have an operational EOC during emergency events. The EOC is the area in which the Attachment # 2 cont. </p>	
<p>(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$1,061,303 This project could potentially be broken into phases if necessary due. See Attachment #3 for breakdown and details.</p> <p align="right"><i>Phase IV</i> \$300,000</p> <p>Attachment #3, 5, 6 Data Source: See Attachment #3 for sources</p>	
<p>(6) Funding source(s)</p> <p> <input type="checkbox"/> Current Revenue _____ <input type="checkbox"/> Grant (Type) _____ <input type="checkbox"/> Revenue Bond _____ <input type="checkbox"/> Loan (Type) _____ <input type="checkbox"/> General Obligation Bond _____ <input type="checkbox"/> Special Assessment _____ <input type="checkbox"/> Capital Reserve Fund <u>X</u> _____ <input type="checkbox"/> Other _____ </p>	
<p>Requestor <u>Kent Emerson</u> Date <u>10/21/13</u> Planning Commission Meeting _____ Date/Time</p> <p>Planning Commission Comments: _____ _____ _____</p>	



Amelia County
Department of Emergency Management



**2014-15 CIP Request
EOC Renovation and New 911 Center
Attachment #1**

(3) Project Description (cont.)

renovation of the parking area surrounding the EOC building, and installation of 911 Center equipment. The renovation of the EOC building will include changes needed for security needed by the 911 Center. The renovation of the parking area will include the entire parking area directly adjacent to the EOC building as well as the area adjacent to the Hindle Building currently used as public parking. The creation of the new 911 Center will include all communications and radio equipment, all computers and information technology equipment, and all office equipment. See *attachment #4* for a sketch of the EOC building layout.

NOTE: Of the original project request of \$1,211,303 for the entire project, \$150,000 was funded for the year 2011-12. This leaves \$1,061,303 for the entire project. The decision was made to break the remaining project into multiple years. The \$150,000 will begin the demolition/construction of the existing building.



Amelia County
Department of Emergency Management



2014-15 CIP Request
EOC Renovation and New 911 Center
Attachment #2

(4) Project Justification (cont.)

appropriate leadership (depending upon event) of the County gathers in order to coordinate the response to the given emergency. We began the process of developing a usable EOC with Phase 1 of this project. This current CIP request will complete the renovation needed to make the EOC operational. Equipment for the EOC has already been obtained through several grant opportunities. While additional equipment may be needed in the future, the need for this additional equipment is not urgent.

The parking area renovation requested will not only serve the needs of the EOC, but will also provide a larger, all-weather, parking area for the County Administration building, as well as the Hindle Building if used in the future. This parking area will be used by county staff as well as the public. It will also provide better parking during the Parks and Recreation Dept. activities on Hindle Field.

The current 911 Center in the Sheriff's Office has limited space that it is outgrowing. There is no additional space in the Sheriff's Office for the 911 Center. There is also need in the Sheriff's Office for additional office space. After discussions between the Amelia County Sheriff's Office, Amelia County Dept. of Emergency Management, and Amelia County Administration, it was determined that the remaining area in the EOC building would be sufficient for current and future growth of the 911 Center. And placement of the 911 Center in the same building as the EOC will facilitate better communications during an emergency event, thereby enabling the staff to provide better service to the citizens of Amelia County. Placement of the 911 Center into the EOC building is an excellent use of the space, and the missions of both the EOC and the 911 Center will both be enhanced by being in the same building. By moving the 911 Center to the EOC building, this will also free up office space that can be used by the Sheriff's Office for other needed functions. This CIP request includes all radio and communications equipment, computer and information technology equipment, as well as office furniture and fixtures. This installation of new equipment in the new 911 Center will enable some of the old equipment in the current 911 Center within the Sheriff's Office, to be used in another project which will provide a true back capability for our 911 Center, which does not effectively currently exist. This will be the subject of a future project, funded either through grants or CIP requests.



**Amelia County
Department of Emergency Management**



**2014-15 CIP Request
EOC Renovation and New 911 Center
Attachment #3**

(5) Costs (cont.)

Total cost of project is:	\$1,211,303.30
Amount funded in 2011-12:	\$150,000
Total remaining costs of project:	\$1,061,303.30

See **attachment #5** for a detailed Scope of Work for EOC building renovations and parking area renovations. See **attachment #6** for detailed costs of these items. These were provided by Amelia County Director of Public Works, Daryl Gough.

Building Renovation (construction and demolition)	\$136,621.10
Parking Renovation (including accessibility improvements)	<u>\$202,644.20</u>
Total for building renovations and parking area renovations	\$339,265.30

See **attachment #7** for a detailed synopsis of the equipment needed to create the new 911 Center. This synopsis was provided by staff of the Amelia County Sheriff's Office.

911 Phone System	\$267,000
Phone System maintenance	\$25,000
Consoles	\$65,000
Radio System	\$110,590
911 Chairs	\$7,500
Office Furniture	\$6,000
Office Machines	\$5,600
Emergency Dispatch Software	\$115,000
GeoComm (GIS) Software	\$68,500
OpenFox Software	\$1,100
911 Computers and Software	\$58,000
DaPro Software	\$49,200
Backroom IT Equipment	\$25,000
Camera / Security / Entry System	\$18,500
Computer Services / Fiber	\$12,000
VaWAS Phone System	<u>\$1,000</u>
Total for new 911 Center equipment	\$834,990

This project can be broken into multiple phases as needed due to funding limitations. However, the building renovations must be included as part of the next phase. None of the other work or equipment related to the new 911 Center can move forward until the building is ready.



Amelia County
Department of Emergency Management



Attachment #7 describes a method for phasing in the new 911 Center equipment also. However, until the building renovations are completed, and Phase 1 (as described in attachment #7) is implemented, the new 911 Center will not be in service, and no benefits to the Sheriff's Office will be realized.

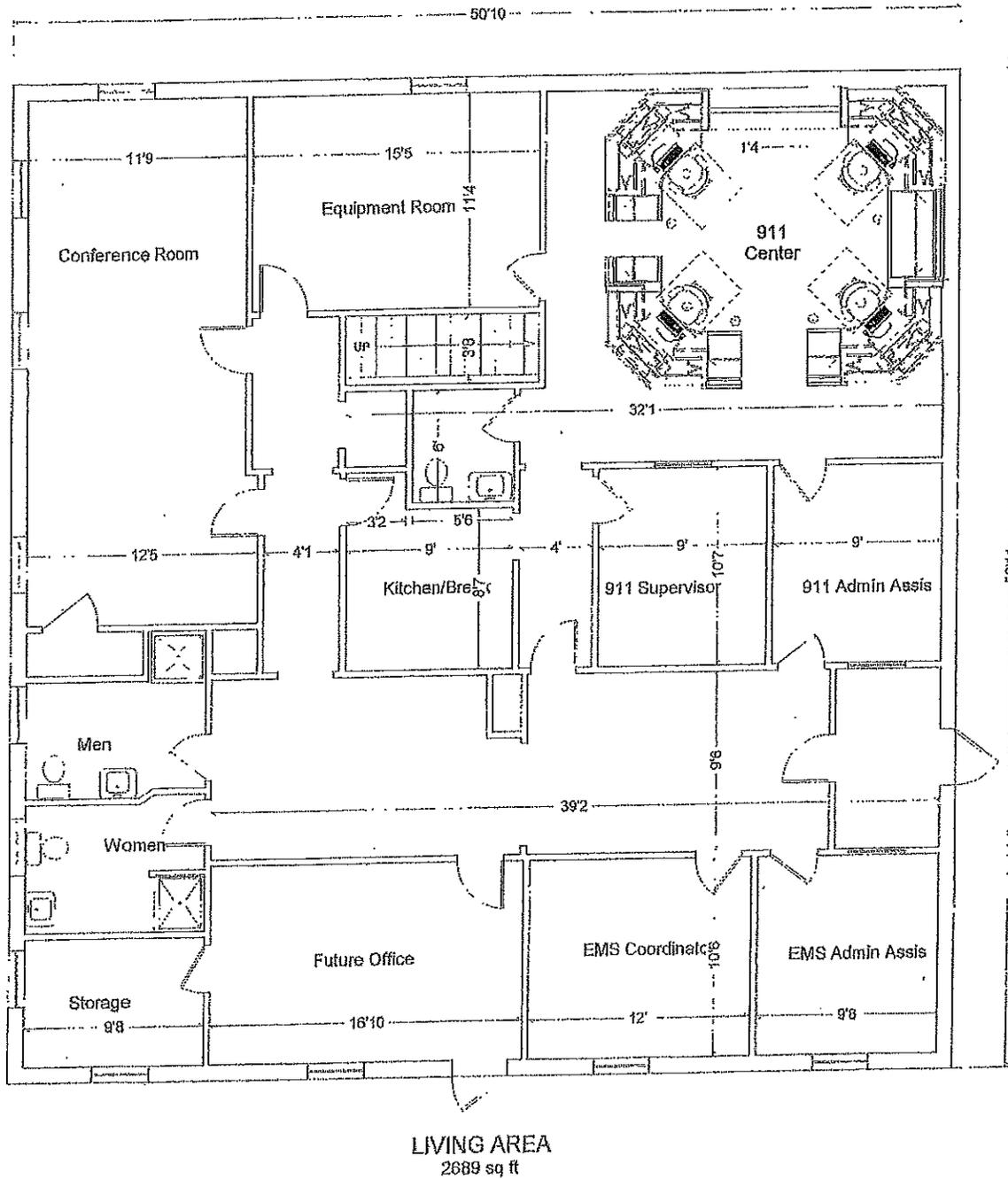
The longer this project is delayed, the more critical the situation will become for the current 911 Center within the Sheriff's Office.



Amelia County
Department of Emergency Management



2014-15 CIP Request
EOC Renovation and New 911 Center
Attachment #4





Amelia County
Department of Emergency Management



2014-15 CIP Request
EOC Renovation and New 911 Center
Attachment #5

Emergency Operations Center
Renovations and Access Improvements
Scope of Work

Renovations to the Emergency Operations Center will be completed to make this building into a more usable, accessible and energy efficient space for emergency communications and operations. Listed below are details of the areas to be addressed by the renovations and accessibility improvements to the county's emergency operation center.

Parking and Accessibility

- Demolition of the existing deteriorating parking lot. Construction of a new parking lot with curb and gutter, storm sewer, sidewalks, paving and striping.
- Demolition of the existing dilapidated wood and masonry porches and handicap ramps. These will be replaced with brick and concrete construction with painted black metal railings.
- Removal and replacement of existing deteriorating sidewalks that will lead from the new porches and ramps to the new parking area.
- Grading and reseeding the yard with the addition of additional landscaping.

Building Renovations

- Demolition of existing interior walls and finishes as needed.
- The Construction of walls to the new layout.
- Insulating the entire building to reduce energy consumption.
- Install new energy efficient windows and doors.
- Replacement of 2 new high efficiency HVAC units.
- Removal and replacement of the existing floors.
- Painting the entire interior of the building.
- Installation of new energy efficient lighting and controls
- Relocation of the 911 equipment from the existing 911 center.



Amelia County
Department of Emergency Management



2014-15 CIP Request
EOC Renovation and New 911 Center
Attachment #6

Demolition					
2948	Sq Ft	Interior Demolition as needed	\$ 4.00	SqFt	\$ 11,792.00
1	Ea	Exterior Demolition as needed	Completed		\$ -
		Demolition Subtotal			\$ 11,792.00
Building Construction					
2948	Sq Ft	Interior Renovation	\$ 30.00	SqFt	\$ 88,440.00
1	Ea	"A" Roof installation	Completed		\$ -
20	Ea	Replace Exterior Windows & Doors	Completed		\$ -
1	Ea	New 4 ton HVAC system	\$ 10,000.00	Ea	\$ 10,000.00
1	Ea	New 1.5 ton HVAC system	\$ 3,750.00	Ea	\$ 3,750.00
10	%	Architect and Engineering			\$ 10,219.00
		Construction Subtotal			\$ 112,409.00
Parking and Accessibility Improvements					
1	Ea	Parking and Drainage Improvements	\$172,222.00	Ea	\$ 172,222.00
1	Ea	Accessibility Improvements	\$ 12,000.00	Ea	\$ 12,000.00
		Parking and Accessibility Subtotal			\$ 184,222.00
		Subtotal-(all items above)			\$ 308,423.00
		10 % Contingencies			\$ 30,842.30
		Project Total			\$ 339,265.30
Notes:					
<p>The square footage to be renovated on this cost estimate is based on total building footage (3350) deducting the (402) square feet previously renovated by county forces. The cost for the Parking Lot and Drainage Improvements is based on the detailed cost estimate that was provided by B&B Consultants for the Amelia Streetscape Project and include engineering cost. All other cost were estimated based on similar completed projects. This estimate does not include the E-911 equipment cost as estimated by the Sheriff's Office. All HVAC units, lighting, windows and insulation will be energy efficient to reduce energy cost.</p>					



**Amelia County
Department of Emergency Management**

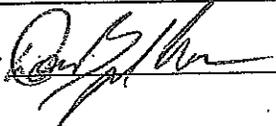


**2014-15 CIP Request
EOC Renovation and New 911 Center
Attachment #7**

Following this page should be the proposal developed by Amelia County Sheriff's Office staff regarding the equipment needed for the new 911 Center. This is a long document. It is not included with this proposal. It should be the same as submitted last year.

FY 2020

CAPITAL IMPROVEMENT PROJECT REQUEST

(1) Office/Department James L. Hamner Public Library	Planning Commission Use
(2) Project Title Library Expansion	Urgent <input type="checkbox"/> Necessary <input checked="" type="checkbox"/> Desirable <input type="checkbox"/> Project Priority _____ Year Required <u>2019</u>
(3) Project Description (Include sketches, appraisals, plans, etc.) <i>The Library seeks to add about 10,000 square feet to its current size of around 7,700 square feet. We based this figure on the projected population of the County in 2030 figured using a 1.75% increase from FY2014's population estimate. From there, I used the Library of Virginia's AAA standard for library construction, or 1 square foot per capita.</i>	
Attachment # _____	
(4) Project Justification (Include ramifications if project is not implemented) Please see attached	
Attachment #1, 2, plus seven articles tracking library and reading trends	
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) <i>\$4.25 million. The cost estimate provided is from an architect in 2010 specializing in library construction. I spoke with several architects in October 2013 to get more current cost estimates, and they suggested that the costs projected were probably still reasonable.</i>	
Attachment # _____ Data Source: _____	
(6) Funding source(s)	
◇ Current Revenue <u>X</u> _____ ◇ Grant (Type) _____ ◇ Revenue Bond _____ ◇ Loan (Type) _____ ◇ General Obligation Bond _____ ◇ Special Assessment _____ ◇ Capital Reserve Fund _____ ◇ Other <u>Some Donations</u> _____	
Requestor <u></u> Date <u>10/24/2014</u>	
Planning Commission Meeting _____ Date/Time _____	
Planning Commission Comments: _____ _____ _____	

(1) Office/Department Amelia County Sanitary District, Wastewater Department	Planning Commission Use												
(2) Project Title Wastewater Treatment Plant	<table border="0"> <tr> <td style="text-align: center;">Urgent</td> <td style="text-align: center;">Necessary</td> <td style="text-align: center;">Desirable</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td style="text-align: center;">Project Priority</td> <td colspan="2" style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">Year Required</td> <td colspan="2" style="text-align: center;"><u>2020</u></td> </tr> </table>	Urgent	Necessary	Desirable	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Project Priority	1		Year Required	<u>2020</u>	
Urgent	Necessary	Desirable											
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>											
Project Priority	1												
Year Required	<u>2020</u>												
(3) Project Description (Include sketches, appraisals, plans, etc.) Construction of a 1MGD expandable wastewater treatment facility													
Attachment # (4) Project Justification (Include ramifications if project is not implemented) To meet future capacity needs													
Attachment # (5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) <p style="text-align: right;">\$29,000,000.00</p>													
Attachment # _____ Data Source: B & B Consultants (6) Funding source(s) <table border="0"> <tr> <td>◇ Current Revenue _____</td> <td>◇ Grant (Type) _____</td> </tr> <tr> <td>◇ Revenue Bond _____</td> <td>◇ Loan (Type) _____</td> </tr> <tr> <td>◇ General Obligation Bond _____</td> <td>◇ Special Assessment _____</td> </tr> <tr> <td>◇ Capital Reserve Fund _____</td> <td>◇ Other _____</td> </tr> </table>	◇ Current Revenue _____	◇ Grant (Type) _____	◇ Revenue Bond _____	◇ Loan (Type) _____	◇ General Obligation Bond _____	◇ Special Assessment _____	◇ Capital Reserve Fund _____	◇ Other _____					
◇ Current Revenue _____	◇ Grant (Type) _____												
◇ Revenue Bond _____	◇ Loan (Type) _____												
◇ General Obligation Bond _____	◇ Special Assessment _____												
◇ Capital Reserve Fund _____	◇ Other _____												
Requestor <u>Daryl Gough, Director of Public Works</u> Date <u>10/25/2013</u> Planning Commission Meeting _____ Date/Time _____ Planning Commission Comments: _____ _____ _____													

(2)

<p>(1) Office/Department</p> <p>Volunteer Fire Department</p>	<p>Planning Commission Use</p>
<p>(2) Project Title</p> <p>Engine Truck Station 1</p> <p style="text-align: center;"> <input checked="" type="checkbox"/> Urgent <input type="checkbox"/> Necessary <input type="checkbox"/> Desirable </p> <p style="text-align: center;"> Project Priority 1 Year Required 2020 </p>	
<p>(3) Project Description (Include sketches, appraisals, plans, etc.)</p> <p>Replace existing 2000 unit</p> <p>Attachment #</p>	
<p>(4) Project Justification (Include ramifications if project is not implemented)</p> <p>Unit does not meet federal standards</p> <p>Attachment #</p>	
<p>(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction)</p> <p>\$520,000</p> <p>Attachment # Data Source:</p>	
<p>(6) Funding source(s)</p> <p> <input checked="" type="checkbox"/> Current Revenue <input checked="" type="checkbox"/> Grant (Type) </p> <p> <input type="checkbox"/> Revenue Bond <input type="checkbox"/> Loan (Type) </p> <p> <input type="checkbox"/> General Obligation Bond <input type="checkbox"/> Special Assessment </p> <p> <input type="checkbox"/> Capital Reserve Fund <input type="checkbox"/> Other </p>	
<p>Requestor _____ Date <u>10/25/13</u></p> <p style="text-align: right;">Planning Commission Meeting _____ Date/Time</p> <p>Planning Commission Comments: _____</p> <p>_____</p> <p>_____</p> <p style="text-align: right;">④</p>	

CAPITAL IMPROVEMENT PROJECT REQUEST

(1) Office/Department Public Works, Maintenance Department	Planning Commission Use						
(2) Project Title Fire Station Pavement Improvements, Phase V	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;">Urgent</td> <td style="text-align: center; border: none;">Necessary</td> <td style="text-align: center; border: none;">Desirable</td> </tr> <tr> <td style="text-align: center; border: 1px solid black; width: 33px; height: 15px;"></td> <td style="text-align: center; border: 1px solid black; width: 33px; height: 15px;"></td> <td style="text-align: center; background-color: black; width: 33px; height: 15px;"></td> </tr> </table> Project Priority: <u> 1 </u> Year Required: <u> 2020 </u>	Urgent	Necessary	Desirable			
Urgent	Necessary	Desirable					
(3) Project Description (Include sketches, appraisals, plans, etc.) Fire Station Pavement Improvements Phase V, is the bidding & construction phase for station # 1.							
Attachment #							
(4) Project Justification (Include ramifications if project is not implemented)							
Attachment #							
(5) Cost (Include staffing needs, annual O&M requirements, planning/engineering, equipment/furniture, acquisition, construction) \$123,000.00							
Attachment # 1	Data Source: B&B Consultants, Inc.						
(6) Funding source(s)							
◇ Current Revenue _____	◇ Grant (Type) _____						
◇ Revenue Bond _____	◇ Loan (Type) _____						
◇ General Obligation Bond _____	◇ Special Assessment _____						
◇ Capital Reserve Fund _____	◇ Other _____						
Requestor: <u>Daryl L. Gough, Director of Public Works</u>							
Date: <u>11/7/14</u>							
Planning Commission Meeting _____							
Date/Time _____							
Planning Commission Comments: _____							

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Fire Station Pavement Improvements

Amelia County, Virginia

COST ESTIMATE

November 6, 2014

DESCRIPTION	QUANTITY	COST/UNIT	TOTAL COST
Amelia Co. 1 (1,350sqyds)			
Earthworks & Fine Grading	1,350 sqyds	\$10.00 /sqyd	\$13,500
Stone base (4" average)	330 Ton	\$30.00 /ton	\$9,900
Asphalt Pavement (3" base, 2" surface)	410 Ton	\$125.00 /ton	\$51,250
Pavement Stripping, and other misc	1 LS	\$2,500 LS	\$2,500
E&S Controls, Seeding, & Restoration	1 LS	\$7,500 LS	\$7,500
Construction Staking	1 LS	\$1,750 LS	\$1,750
Demo	800 sqyds	\$7.50 /sqyd	\$6,000
Curb and Gutter	170 Inft	\$35	\$5,950
Radio Tower (guide wire relocation)	1 LS	\$5,000 LS	\$5,000
Bidding & Contract Admin (5%)	1 LS	\$5,168 LS	\$5,168
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$11,152 LS	\$11,152
		Sub-total	\$122,669
Mannboro Co. 2 (2,800sqyds)			
Earthworks & Fine Grading	2,800 sqyds	\$7.50 /sqyd	\$21,000
Stone base (4" average)	690 Ton	\$30.00 /ton	\$20,700
Asphalt Pavement (3" base, 2" surface)	850 Ton	\$125.00 /ton	\$106,250
Pavement Stripping, and other misc	1 LS	\$3,000 LS	\$3,000
E&S Controls, Seeding, & Restoration	1 LS	\$7,000 LS	\$7,000
Construction Staking	1 LS	\$2,250 LS	\$2,250
Bidding & Contract Admin (5%)	1 LS	\$8,010 LS	\$8,010
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$17,121 LS	\$17,121
		Sub-total	\$188,331
Jetersville Co. 3 (1,550sqyds)			
Earthworks & Fine Grading	1,550 sqyds	\$7.50 /sqyd	\$11,625
Stone base (4" average)	385 Ton	\$30.00 /ton	\$11,550
Asphalt Pavement (3" base, 2" surface)	470 Ton	\$125.00 /ton	\$58,750
Pavement Stripping, and other misc	1 LS	\$2,500 LS	\$2,500
E&S Controls, Seeding, & Restoration	1 LS	\$5,000 LS	\$5,000
Construction Staking	1 LS	\$1,750 LS	\$1,750
Bidding & Contract Admin (5%)	1 LS	\$4,559 LS	\$4,559
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$9,873 LS	\$9,873
		Sub-total	\$108,607
Mattoax Co. 4 (585sqyds HD + 650sqyds LD)			
Earthworks & Fine Grading	1,235 sqyds	\$7.50 /sqyd	\$9,263
Stone base (4" average)	300 Ton	\$30.00 /ton	\$9,000
Asphalt Pavement (3" base, 2" surface)	255 Ton	\$125.00 /ton	\$31,875
Pavement Stripping, and other misc	1 LS	\$2,500 LS	\$2,500
E&S Controls, Seeding, & Restoration	1 LS	\$5,000 LS	\$5,000
Construction Staking	1 LS	\$1,750 LS	\$1,750
Bidding & Contract Admin (5%)	1 LS	\$2,969 LS	\$2,969
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$6,536 LS	\$6,536
		Sub-total	\$71,893
Paineville Co. 5 (1675sqyds)			
Earthworks & Fine Grading	1,675 sqyds	\$7.50 /sqyd	\$12,563
Stone base (4" average)	420 Ton	\$30.00 /ton	\$12,600
Asphalt Pavement (3" base, 2" surface)	515 Ton	\$125.00 /ton	\$64,375
Pavement Stripping, and other misc	1 LS	\$3,000 LS	\$3,000
E&S Controls, Seeding, & Restoration	1 LS	\$5,000 LS	\$5,000
Construction Staking	1 LS	\$1,750 LS	\$1,750
Bidding & Contract Admin (5%)	1 LS	\$4,964 LS	\$4,964
Geotechnical Inspections	1 LS	\$3,000 LS	\$3,000
10% Contingencies	1 LS	\$10,725 LS	\$10,725
		Sub-total	\$117,977
Construction Total			\$609,477
Engineering (Design Only)			\$30,474
Project Total			\$639,951

Note: This estimate is based on rough quantities for each location, an updated cost estimate will be available at the completion of the design phase.

Fire Station Pavement Improvements

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PARKING LOT
FOR THE
HINDLE BUILDING
COST ESTIMATE

AUGUST 7, 2013

SITWORK	QUANTITY	COST/UNIT	UNIT	TOTAL COST
CLEARING AND DEMOLITION	1	\$5,000.00	LS	\$5,000
EARTHWORK	1	\$10,000.00	LS	\$10,000
SEEDING AND RESTORATION	1	\$3,500.00	LS	\$3,500
VDOT 21A AGGREGATE STONE BASE	800	\$25.00	TON	\$20,000
SURFACE ASPHALT (3" VDOT SM-9.5)	430	\$125.00	TON	\$53,750
VDOT CG-6 CURB AND GUTTER	367	\$30.00	LF	\$11,010
VDOT CG-6 REVERSE CURB AND GUTTER	455	\$30.00	EA	\$13,650
VDOT CG-12 HC RAMP	1	\$1,500.00	EA	\$1,500
CONCRETE SIDEWALK	15	\$50.00	SQ. YD.	\$750
PAVEMENT MARKINGS & SIGNAGE	1	\$3,200.00	LS	\$3,200
15" RCP STORM SEWER	122	\$40.00	LF	\$4,880
VDOT DI-3BB DROP INLET	1	\$7,500.00	LF	\$7,500
CONNECT STORM SEWER TO EX DI	1	\$2,000.00	LS	\$2,000
SURVEYING	1	\$5,000.00	LS	\$5,000
		SUBTOTAL		\$141,740
		10% CONTINGENCIES		\$14,174
		CONSTRUCTION TOTAL		\$155,914
		ENGINEERING, BIDDING, & C.A.		\$7,200
		GEOTECHNICAL		\$3,000
		PROJECT TOTAL		\$166,114

11/11/13

VEHICLE MANAGEMENT

