

# Hampton Roads Regional Unmanned Systems Facility

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Hampton Roads Planning District Commission  
October 31, 2017

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## 1. PROJECT NAME

Provide a name for the project that is proposed in this funding application:

**Hampton Roads Regional Unmanned Systems Facility**

## 2. APPLICANTS

List applicant organizations:

**James City County, York County, Cities of Hampton, Newport News, and Williamsburg**

## 3. PRIMARY CONTACT INFORMATION

Primary contact (for this application): <b>Robert A. Crum</b>	Position/title: <b>Executive Director, Hampton Roads Planning District Commission</b>
Mailing Address: <b>723 Woodlake Drive, Chesapeake, VA 23320</b>	Telephone: <b>757-420-8300</b>
Email: <b>rcrum@hrpdcva.gov</b>	Website (URL) if applicable: <b>www.hrpdcva.gov</b>

## 4. RESOLUTIONS/LETTERS OF SUPPORT

Identify the municipalities/counties and other agencies (if any) that are providing a resolution or letter of support for this funding application (*must be two or more*):

**Localities:** Chesapeake, Franklin, Gloucester County, Hampton, Isle of Wight County, James City County, Newport News, Norfolk, Poquoson, Southampton County, Virginia Beach, Windsor, Williamsburg, York County, HRPDC

**Colleges/Universities:** Virginia Institute of Marine Science, William & Mary

**Business:** Advanced Aircraft Company, AVID LLC, Dronicar Inc.

**Community Stakeholders:** Gloucester County Economic Development Authority, Greater Williamsburg Partnership, Hampton Roads Unmanned Systems Cluster Steering Committee, James City County Economic Development Authority, Williamsburg Economic Development Authority, York County Fire and Life Safety



The resolutions/letters of support are attached

*\*Applicants are responsible for securing a resolution outlining support for the GO Virginia Region 5 funding request from two or more municipalities/counties. The applicant must provide a copy of the resolutions of support to the GO Virginia Regional Council before an application can be considered for funding.*

*\*Sample Resolution: THAT, the (insert local government name) supports the application to Go Virginia Region 5 from the (insert applicant organization name) for a grant of up to \$(insert amount) for the (insert project name).*

## 5. OVERVIEW

Provide a detailed description of the proposed project to include primary goals and approach:

*\*Refer to the "Application Components" as outlined in Region 5 Information for Grant Applicants.*

The proposed Hampton Roads Regional Unmanned Systems Facility (HRRUSF) would provide a multi-purpose facility for use by public institutions, private companies and individuals to develop, test, and demonstrate unmanned systems. In order to maximize the economic impact of this proposed facility there is significant developable property, adjacent to this location, for companies in this sector to own or lease light industrial flex space.

The proposed site is the former Virginia Emergency Fuel Storage Facility (Fuel Farm) property, and is illustrated in Attachment 10.8. This 462-acre site is located in York County between Penniman Road, Colonial Parkway and the Yorktown Naval Weapons Station. The site is centrally located on the Peninsula and is less than two miles from the I-64 Exit 242 (Route 199, Water Country Exit). The widening of I-64 will extend well beyond this property, thereby making it extremely accessible to the concentration of unmanned systems companies clustered on the lower Peninsula and companies located on the Southside of Hampton Roads. Perhaps the most important attribute of this location is its designation by the Federal Aviation Administration (FAA) as Class G, uncontrolled airspace. Unmanned aerial vehicles, within certain parameters, can operate in this space under FAA Part 107, without complex permissions.

The land is currently owned by the Commonwealth of Virginia and has been designated as surplus property since 1998. Approximately 192 acres of the Fuel Farm are under an approved Corrective Action Plan managed by the Department of Environmental Quality. DEQ has no objections to the property being utilized for unmanned systems testing and there is no human health risk. DEQ's positive position regarding this proposal is documented in a letter from Brett Fisher, DEQ, Team Leader, RCRA Corrective Action, Office of Remediation Programs (Attachment 10.7). Because of this characteristic, development and use opportunities for the Fuel Farm are limited, but the proposed use of this property is compatible with its constraints. Utilization of this property as an unmanned systems testing and demonstration facility is an excellent adaptive reuse of this property.

The overarching concept is establishing a facility that is open for any company to develop, test or demonstrate unmanned systems. There is adequate space for land and air vehicles and access to King's Creek for water vehicles. There is also a sizeable pond on the property (Hipp's Pond) that could also be used for testing unmanned surface vehicles. The testing and demonstration area would be located on approximately 192 acres of the property that is under the Corrective Action Plan. The remaining undeveloped 241 acres could be established as a light industrial park, with flex space for unmanned systems companies and related businesses. Cyber security is another priority industry cluster and is a key element for all unmanned systems. This facility would be very attractive to some cybersecurity companies as well as unmanned systems firms. This area could accommodate roughly 500,000 square feet of light industrial flex space. The low development ratio of acreage to square feet is primarily attributable to steep slopes and required buffer for streams.

*See next page for further details*

The first phase of development would consist of three land bays totaling 65 acres. A land study of this area resulted in a concept plan for flex space development totaling 160,200 square feet in Phase I. The estimated market value of this 65-acre tract is \$ 1.3 million. Within the 65-acre tract the state has two defined parcels on the market. These are identified in Attachment 10.8, in a graphic entitled “Unmanned Systems Testing and Demonstration Site, Go Virginia Region 5 Proposal,” as Land Bay I and Land Bay II. Each of these land bays is on the market for \$450,000. This GO Virginia grant application proposes purchasing or negotiating a donation of Land Bay II for the initial light industrial development. It is further proposed that a light industrial flex building of 10,000 sq. ft. be constructed on Land Bay II. This building would be divided into four 2,500 sq. ft. bays and one bay would be finished and furnished space. This space would house the facility manager and serve as co-working space for unmanned companies and representatives from federal and educational institutions that support this cluster. The last proposed grant expenditure is for the initial development of the testing and demonstration area. The basic concept would be extending a driveway and utilities to the area and constructing a pavilion with restrooms and parking. The final construction project would be clearing and grading a nine acre area adjacent to the pavilion. This nine acre area would serve as the first testing and demonstration site within the 192 acre “Fly Zone”. An initial design and cost schedule for all of these facilities and site work is located in Attachment 10.8.

In order to supplement income generated by the unmanned system business cluster and bring attention to our new infrastructure supporting this industry, this proposal includes developing a recreational “Drone Park”. The “Drone Park” area (approximately 25 acres) would feature a drone racing venue and areas for amateur drone owners to operate ground and aerial vehicles. This type of activity would be limited to weekends in order to not interfere with the facility’s primary focus of serving commercial endeavors. This element would be phased in the latter stages of development.

Explain how the proposed project relates to Region 5’s Economic Growth and Diversification Plan:

*\*Focus on long term community or regional needs.*

Unmanned Systems is a priority emerging cluster in the recently adopted Go Virginia Region 5 Growth and Diversification Plan. This cluster is supported by significant Hampton Roads assets including NASA Langley Research Center, National Institute of Aerospace, ReAKTOR (Peninsula Technology Incubator) and the Virginia Institute of Marine Science at the College of William & Mary (VIMS). Estimated average annual wages in the unmanned systems sector (\$86,480) are the highest of all the Region 5 priority clusters.

Existing unmanned system companies in the region have identified the lack of a testing and demonstration area, in proximity to their locations, as one of the most significant impediments to growing their businesses. A convenient demonstration area is particularly important to businesses in this sector that are selling, or transitioning to selling to the commercial market. A letter from the GO Virginia Region 5 Unmanned Systems/Aerospace Cluster Group Chairman supporting this need is located in Attachment 10.6. Letters from unmanned systems companies stating the need for this type of facility and how it would facilitate high-paying job growth are included in Attachment 10.5.

*See next page for further details*

The placement of an industrial park adjacent to the drone testing/development area provides a tremendous opportunity to attract and locate unmanned systems companies, who support high paying jobs consistent with the Region 5 Economic Growth and Diversification Plan and the goals of GO Virginia.

Specifically, the project will address the following goals of the GO Virginia Region 5 Economic Growth and Diversification Plan:

**Goal 1: Create a Coordinated Region Capacity for Innovation in the Region's Key Cluster Areas**

Unmanned systems are one of the priority emerging clusters in the Regional Growth and Diversification Plan. This proposal would promote the creation of jobs in this cluster by providing a testing/development location and an adjacent industrial park for job location. Private sector investment in speculative light industrial flex space for these companies would be spurred by the availability of the testing and demonstration facility. Additionally there is land available for end user companies to acquire if they prefer to own versus leasing.

In the long term this facility could accommodate a “Center of Excellence” for unmanned systems and related activities in cyber security and advanced manufacturing. Institutions like the Virginia Institute of Marine Science and the National Institute of Aerospace (NIA) could have permanent space at the facility for research and collaboration with private enterprises. The Center could serve as a place for hands on development related to the commercialization of research done at NASA Langley, VIMS or the NIA.

**Goal 2: Increase the Pace of Small- and Medium-Sized Enterprises (SME) Job Creation Through Both Expansion of Existing Firms and, in particular, the Attraction of Out –of-Region Firms in Key Cluster Areas**

This proposal furthers this goal by providing an attractive location for both local and out-of-region firms to expand and locate to the proposed light industrial park that will be located near the drone development and testing area. This will be a highly attractive location for these companies, as demonstrated by the interest and support expressed for this proposal by the private sector.

This is a tangible asset that would resonate with companies nationally and internationally when presented by representatives from agencies like the Virginia Economic Development Partnership the Greater Williamsburg Partnership or the Hampton Roads Economic Development Alliance. The ability to test and demonstrate product next to your facility is very attractive to unmanned systems companies. The support agencies in the region and proximity to military customers are also strong attraction propositions.

**Goal 3: Close All Skills, Credentialing and Degree Gaps in the Regional Clusters' Workforce By 2022 Through Both In-Region Production and Talent Importation**

This proposal creates a tremendous opportunity to create a pipeline of skill development by coordinating with local technical programs in the region's high schools as well as local higher education institutions. Drone operation and drone maintenance could be specific training areas provided at the facility.

## 6. ECONOMIC IMPACT

### Return on Investment/Direct Economic Benefits

Outline the projected economic benefits to the regional or state economy:

Fully developed, the Hampton Roads Regional Unmanned Systems Facility includes a testing and demonstration site and up to 500,000 square feet of flex space for unmanned systems companies and related businesses. The project will be developed in phases. Phase IA, which will be directly supported by GO Virginia and local matching funds, includes pre-engineering, land acquisition, site development, and construction of a testing pavilion and 10,000 square feet of flex space. Phase IB includes development over five years of an additional 150,200 square feet of flex space achieved through private sector investment that builds on the public investment in Phase 1A. Phase II will be the build-out of the light industrial park to 500,000 square feet.

Employment estimates for the HRRUSF are based on the amount of space needed per worker for particular building use types (e.g., office, lab, and storage) within the flex space. This can be expressed as a number of square feet per worker by use type, and can be thought of as “employment density.” Data collected by the U.S. Energy Information Administration (EIA) can be used to derive “employment density” factors by use type. The EIA periodically conducts a study called the Commercial Buildings Energy Consumption Survey (CBECS) that collects information such as building square footage and number of workers by building use type. Based on typical characteristics of flex space and supporting information from existing companies in the unmanned systems cluster, assumptions were made about how space would likely be allocated within the flex buildings. Employment density factors were then applied to project employment generated by the facility.

Phase I of the project is expected to generate approximately 260 jobs over five years. Phase 1A will create 16 jobs at the HRRUSF. Development of the testing and demonstration site is also expected to result in the creation of jobs at firms not physically located at the facility. Several existing firms have indicated that their potential for growth is significantly constrained by lack of access to a convenient test site.

This positive employment projection is supported by the GO Virginia Growth and Diversification Plan, which found that the unmanned systems cluster has “strong potential” for growth in the region as an emerging cluster, and that one of the main obstacles for development of the cluster is a centralized entity to facilitate organization and testing. The HRRUSF will directly meet this need.

Importantly, wages in the Unmanned Systems and Aerospace cluster are high. The cluster’s average annual wage of \$86,480 is the highest of any of the Hampton Roads priority industry clusters. The large number of high-wage jobs created by the facility will generate significant benefits to the region and state. Total wages earned over five years by those employed in the facility will be approximately \$59 million. Personal income tax and sales tax revenue generated by these wages will total more than \$3.5 million over five years.

**New Employment (job creation schedule and median salaries)**

*\*The current average annual wage for Region 5 is \$46,000.*

Phase I Jobs and Tax Revenue						
	Phase IA	Phase IB				
	Year 1	Year 2	Year 3	Year 4	Year 5	Total After 5 Years
Jobs	16	60	60	60	61	257
Tax Revenue	\$82,744	\$394,327	\$705,910	\$1,017,493	\$1,329,077	\$3,529,551

Note: A personal income tax rate of 4% was used to calculate income tax revenue. To calculate sales tax revenue, it was assumed that one-third of wages would be spent on items subject to sales tax, and a sales tax rate of 6% was applied to that one-third of wages.

**Increased Revenue Generation to include out of state investment**

*\*The following annual revenue generation will be reported on by the applicant organization for a five year period to demonstrate the direct economic benefits of the project:*

	Projected annual revenues				
	Year 1	Year 2	Year 3	Year 4	Year 5
Current annual revenues (if any):					
\$0	\$112,500	\$165,000	\$165,000	\$165,000	\$165,000

**INCREASED REVENUE EXPECTED OVER FIVE YEARS:**

*\*Increased revenue expected is the sum of the projected annual revenues for the five years after the project, minus the current annual revenues (if any) over the same five year period.*

Describe how the revenue will be generated and the sources of revenue:

Revenue will be generated through user fees for the testing and demonstration area, lease payments for the three 2,500 sq. ft. bays in the 10,000 sq. ft. building, and land sales for the construction of new buildings. In the longer term, 2-3 years out, there will also be fee generation by the recreational drone park. Drone testing area fees vary a great deal, however based on the sophistication level of our proposed initial facility, \$75/hour with a four hour minimum, would be a reasonable rate. If we were able to average 24 hours a week of rental time for 50 weeks/year it would provide an annual income of \$90,000. Flex space rental rates in the Greater Williamsburg area for new product average around \$10/sq. ft. Assuming the facility leased out in 6 months the year one rental revenue would be \$37,500. In year two assuming full occupancy the total revenue would be \$75,000. Fees generated by the recreational drone park are too speculative to calculate at this juncture.

While it is difficult to accurately predict increased revenue generation, particularly on an annual basis from out of state sources, it is reasonable to expect increased revenue from businesses that locate within the light industrial park associated with this proposal. As unmanned systems businesses are attracted to this location, localities will experience increases in revenues from machinery and tools taxes, BPOL, business personal property taxes, and real estate taxes. Additionally, the creation of high paying jobs within the unmanned systems cluster will help spur additional sales and use taxes that will increase revenue for jurisdictions, and allow continued investments in quality of life facilities such as public education which will in turn attract additional economic development opportunities. Since the unmanned systems cluster has been identified as a relatively undeveloped cluster in Hampton Roads, it can be assumed that most of this business investment may be from out of region/state companies.

GO Virginia Region 5  
**ECONOMIC GROWTH AND DIVERSIFICATION**  
**FUNDING APPLICATION**



**Operational Cost Savings (if applicable)**

*\*The following operational cost savings will be reported on by the applicant organization for a five year period to demonstrate the direct cost saving benefits of the project:*

Current costs (if applicable):	Projected costs				
	Year 1	Year 2	Year 3	Year 4	Year 5
\$	\$	\$	\$	\$	\$
<b>COST SAVINGS EXPECTED OVER FIVE YEARS:</b>					\$

*\*Cost savings expected is the sum of the **projected costs** for the five years after the project, minus the **current costs** over the same five year period.*

Describe how the operational costs savings will be generated:

Not applicable.

**Project Budget**

Expense item:	Amount (\$):	Source of Estimate:
Pre-Engineering	\$300,000	Consulting fee estimated at 10% of the total project cost
Land Acquisition	\$0-\$450,000	Real estate listings
10,000 SF Flex Space	\$922,500	Contractor Estimate
Testing and Demonstration Pavilion	\$125,000	Contractor Estimate
Infrastructure and Site Preparation	\$1,350,000	Contractor Estimate
	\$	
<b>TOTAL PROJECT BUDGET:</b>	<b>\$ 2,697,500-\$3,147,500</b>	

*\*Complete the above, however if you wish to provide a more detailed project budget, please attach separately to this application.*

GO Virginia Region 5  
**ECONOMIC GROWTH AND DIVERSIFICATION**  
FUNDING APPLICATION



Leverage

The funding request as a percentage of total project funding is: 50 %

\*Leverage % = (GO Virginia funding request) ÷ (Total project funding)

Metrics

Provide a detailed description of the metrics that will be used to quantify success:

The following metrics will be used to document the success of the HRRUSF on an annual basis:

- Number of high paying jobs created in the light industrial park located adjacent to the testing and demonstration area.
- Tax revenues created by these jobs related to the initial investment
- Regional job trends in the Unmanned Systems Cluster

Anticipated outcomes

List the qualitative as well as anticipated tangible results that will come from the collaboration:

The HRRUSF has the potential to kick start the Unmanned Systems Cluster identified in the Region 5 Economic Growth and Diversification Plan. The creation of a multi-purpose facility for the development, testing and demonstration of unmanned systems meets an identified regional need for a facility that is necessary to support businesses within this emerging cluster. Existing unmanned systems companies in the region have identified the lack of a testing and demonstration area as one of the most significant impediments to growing their businesses, and this proposal will directly address this issue. The HRRUSF also offers potential collaboration opportunities with the Eastern Shore Wallops Island Facility, which could result in an opportunity to leverage this facility for job creation opportunities within GO Virginia Region 5.

Milestones

\*GO Virginia funds are provided upon completion of project milestones

Stage of project:	Scheduled date: (mm-dd-yyyy)	Outcomes:
1) Project Initiation	01/01/2018- 09/30/2018	Implement governance structure; Obtain FAA permissions; Acquire real estate
2) Develop flex space and test site	10/01/2018 – 09/30/2019	Use of test site by area firms; location of firms in flex space
3) Development of light industrial park	10/01/2019 – 09/30/2023	Development of 160,200 SF of flex space; Establishment of the facility as a “Center of Excellence” for unmanned systems in Hampton Roads

\*Complete the above, however if you wish to provide a more detailed project schedule, please attach separately to this application.

## 7. REGIONAL COLLABORATION

### Participating Localities

Describe the service area of the project and include a list of localities within the region participating in the project:

The Hampton Roads Unmanned Systems Facility proposal has been coordinated with Hampton Roads localities through the Hampton Roads Planning District Commission (HRPDC) and the Commission's Chief Administrative Officers (CAO) Committee. The HRPDC is one of 21 PDCs in the Commonwealth of Virginia created under Section 15.2-4207 of the State Code "to encourage and facilitate local government cooperation and state-local cooperation in addressing, on a regional basis, problems of greater than local significance". HRPDC voting members include locally elected City Council and Board of Supervisor members as well as the City Managers and County Administrators of the seventeen Hampton Roads localities.

The PDC's CAO Committee is made up of the seventeen City and County Managers in Hampton Roads. The CAO Committee unanimously endorsed the Hampton Roads Unmanned Systems Facility proposal as one of two regional GO Virginia grant applications at its September 6<sup>th</sup> 2017 meeting. The HRPDC unanimously endorsed the Hampton Roads Unmanned Systems Facility proposal as one of two regional GO Virginia grant applications at its September 21<sup>st</sup> 2017 meeting. A timeline of the PDC's and CAO Committee's consideration of the GO Virginia program is provided in Attachment 10.9.

Fourteen localities in Hampton Roads have provided either a resolution of support or letter of support for this initiative. The Gloucester Economic Development Authority and Williamsburg Economic Development Authority provided letters of support in addition to their elected official's resolutions. Additional letters of support have been provided by the College of William & Mary, Virginia Institute of Marine Science, Greater Williamsburg Partnership, and the York County Department of Fire & Life Safety. These support documents are located in Attachments 10.1, 10.4, 10.5, and 10.6.

The Unmanned Systems proposal breaks new ground in regional cooperation in Virginia by inviting all interested Hampton Roads localities to participate in a regionally significant economic development project where revenue generated by the project would be shared among participating localities. A regional entity, such as a Regional Industrial Facility Authority (RIFA) in accordance with Code of Virginia (15.2-6402), would be created to implement the project. For additional information on the proposed governance structure see the *Implementation Partners* section below.

*See next page for further details*

GO Virginia grant funds and local matching funds would be utilized to pre-engineer the project (\$300,000), acquire Land Bay II (\$450,000) and/or lease the "Fly Zone" property. Every effort will be made to secure Land Bay II as a donation from the state. This would free up \$450,000 of GO Virginia money for other projects. The second step would be developing the first phase of the "fly zone and constructing a flex space building of 10,000 sq. ft. A concept plan and cost estimate for this work is located in Attachment 10.8. The estimated cost to construct the flex space building is \$922,500 and the pavilion next to the testing and demonstration area is estimated at \$125,000. The estimated cost to extend the infrastructure on the property and clear the initial 9 acre test area is \$1,350,000. Therefore the estimated total cost for the project is \$3,147,500, with the cost of the Land Bay II included. The estimated total project cost without the cost of acquiring Land Bay II is \$2,697,500. Under the first scenario the requested grant from GO Virginia would be **\$1,573,750**. Under the second scenario, where Land Bay II is donated by the state, the GO Virginia grant request would be **\$1,348,750**.

The Fuel Farm property is managed by the Virginia Department of General Services (DGS), and they previously executed a long-term ground lease for 370 acres of this property for a golf course. Therefore, there is a precedent and framework for a ground lease for the "Fly Zone" portion of the property. Based on the golf course agreement the initial years of the ground lease would be in the range of \$5,000 to \$25,000 annually. DGS has had roughly 38 acres of the 270-acre tract listed with commercial realtors for several years, and all of the property is ultimately for sale. Funding for the ground lease and the facility manager would be initially taken out of the "pre-engineering funding" and later sustained by facility revenues.

If localities or regions (including interstate collaborations) outside the applying region are participating in the project, describe the nature of the collaboration and the anticipated impact.

Gloucester County, an HRPDC member locality located in an adjacent GO Virginia region, has offered resolutions of support for this project from the County Board of Supervisors and Economic Development Authority (EDA). This collaboration offers opportunities for coordination of job creation in this cluster with an adjacent GO Virginia region. In addition, while in GO Virginia Region 5, collaboration with the Wallops Island Facility offers an exciting opportunity to create a partnership between the Hampton Roads and Accomack Northampton Planning District Commission regions in the development of the unmanned systems cluster.

#### Efficiencies

Identify cost efficiencies, repurposing of existing funds, leveraging of existing assets, or other evidence of collaboration that can be demonstrated as a result of the project.

This proposal takes full advantage of multiple existing resources in Hampton Roads that already support this cluster. It also leverages the significant number of unmanned systems companies already in our region. It is always easier to grow existing companies than attract new ones. Existing resources include Old Dominion University, College of William & Mary, Hampton University, Thomas Nelson Community College, Virginia Institute of Marine Science, National Institute of Aerospace, and NASA Langley. Most importantly this proposal takes advantage of underutilized state property that has been declared surplus since 1998. This project would also transform an under-utilized “brownfield” property into productive use.

#### Implementation partners

Describe the role of the businesses, colleges and universities, and other public and private entities within the region that will be involved in implementing the project.

### **GOVERNANCE**

The region’s 17 localities have unanimously supported the Hampton Roads Unmanned Systems Facility proposal through the Hampton Roads Planning District Commission. The region’s localities are committed to the creation of a governance approach to implement the project and to ensure successful ongoing project management. A regional management and governance structure is anticipated that transparently allows the participation of all willing partners based on parameters to be mutually established. The governance approach will include the formation of an entity such as a Regional Industrial Facility Authority (RIFA) under Code of Virginia (15.2-6402) or an equivalent mechanism to address:

1. The roles and responsibilities of all participants including a structure for financial participation.
2. A project implementation strategy to secure all project permits and approvals and to negotiate and execute property acquisition agreements.
3. An administrative framework for on-going staff support.

Match Funding Sources **REFER TO PROJECT BUDGET ON PAGE 7**

Funding Source:	Amount (\$):	Funding form:	Identify funding confirmation:
	\$	Applicant(s) contribution	<input type="checkbox"/> Confirmation letters attached
	\$	<input type="checkbox"/> Grant <input type="checkbox"/> In-kind <input type="checkbox"/> Other:	<input type="checkbox"/> Approval Letter attached
	\$	<input type="checkbox"/> Grant <input type="checkbox"/> In-kind <input type="checkbox"/> Other:	<input type="checkbox"/> Approval Letter attached
	\$	<input type="checkbox"/> Grant <input type="checkbox"/> In-kind <input type="checkbox"/> Other:	<input type="checkbox"/> Approval Letter attached
<b>TOTAL OTHER FUNDING:</b>	<b>\$ 0.00</b>	<b>TOTAL PROJECT FUNDING:</b>	<b>\$ 0.00</b>
<i>(GO Virginia funds + Other Sources)</i>			

*\*GO Virginia Region 5 must receive copies of letters of approval and the timing for all other funding sources. Please attach all letters of approval received to date with this application. If additional space is needed please attach a complete list separately.*

As noted earlier, GO Virginia funds totaling \$1.57 million or \$1.35 million would be requested for pre-engineering, infrastructure development, construction of a pavilion and a 10,000 sq. ft. flex space building. All of the Virginia Peninsula localities and Gloucester have executed resolutions that indicate their interest in financially participating in this project.

Existing programs

If the project has goals similar to an existing initiative, indicate how the proposed project is not duplicative, but additive to efforts to support economic diversification and the creation of more higher-paying jobs.

VEDP, HREDA, and the Greater Williamsburg Partnership have all identified unmanned systems as target industries. Each of these organizations has already prepared value propositions and marketing material for this industry to locate in the state or their region. The Hampton Roads/Eastern Shore area has multiple education assets and a workforce that are uniquely well suited to support unmanned system companies today and into the future. The significant number of retired military, with their training as operators and engineering expertise are also a strong existing resource. The major research assets at NASA Langley, NIA and VIMS and their current technology transfer programs provide additional assistance to this cluster.

## 8. PROJECT READINESS

### Capacity and capability

Provide a brief overview of the financial management and personnel capacity of the administrating agency that will oversee this project.

The Hampton Roads Unmanned Systems Facility proposal is supported by the expertise, qualifications, and personnel of the 17 local governments in the Hampton Roads region. In addition, the HRPDC has extensive experience and capabilities in the areas of financial management, project management, and project oversight in the management of federal and state grant programs and projects.

### Barriers to successful implementation

Discuss any major barriers to successful implementation and other associated risks, along with a plan to overcome them.

Unmanned aerial vehicle operation on this property will require some approvals from the Federal Aviation Administration (FAA). Additionally, there will have to be coordination with the Camp Peary air field and the Yorktown Naval Weapons Station heliport. This project has been vetted with the Yorktown Naval Weapons Station (YNWS) who has no objections. Attachment 10.10 contains a copy of an e-mail from Herbert Robins, Community Plans and Liaison Officer, Weapons Station Yorktown addressing this issue in an affirmative manner. The YNWS may also be able to offset some of the land acquisition costs through the Department of Defense REPI program ([www.repi.mil](http://www.repi.mil)), which provides funds for the acquisition of restrictive development rights desired by military installations for property in proximity to them. The primary purpose of this program is to prevent residential development on properties adjacent to military installations.

Daily operations of an unmanned systems testing facility will require adherence to the DEQ managed Corrective Action Plan and coordination with the Virginia Department of Emergency Management. The Corrective Action Plan only requires that the property be fenced, the Hipps Pond dam be maintained, and that access is provided for periodic inspection of the monitoring wells. The EPA and DEQ have previously approved this property to be utilized as a public golf course. As noted earlier DEQ currently manages the Corrective Action Plan for this property and they are supportive of this proposal.

### Prerequisite activities

Provide an overview of activities undertaken by the collaborating parties to increase efficiency in program delivery and support for the project once launched.

See *Implementation Partners*.

## 9. PROJECT SUSTAINABILITY

Describe your ability to meet the project performance metrics and take remedial actions in the event those measures are not achieved:

Marketing the facility to help achieve projected job creation will largely be handled by the locality economic development departments, HREDA, the Greater Williamsburg Partnership and VEDP. Each invested locality will have a regional growth and direct financial incentive to grow the light industrial park. If performance objectives are not met the combined resources of the participating localities will be leveraged to achieve success.

Describe how the program will achieve stable, long-term sustainability past the initial funding period:

The HRRUSF would be structured to sustain itself through user fees, rental income and land sales. The planned budget for the facility would be very minimal, with the largest expense anticipated to be funding the facility manager. Future building growth would be achieved through private sector investment, therefore capital expenses would be very small. The facility would grow as revenues from land sales and rental revenue allow.

## 10. ATTACHMENTS

\*List all documents attached to this application:

Document name:
<input checked="" type="checkbox"/> 1) <b>Required:</b> Local Government resolutions
<input type="checkbox"/> 2) <b>Required</b> (if applicable): Funding approval letters <i>(as outlined in Section 15. Other Funding Sources)</i>
<input type="checkbox"/> 3) <b>Required</b> (if applicable): Copy of non-profit designation letter from IRS <i>(not applicable for local governments or universities)</i>
4) Letters of Support: Colleges/Universities
5) Letters of Support: Business
6) Letters of Support: Community Stakeholders
7) DEQ Letter: Environmental Review
8) Site Development/Cost Estimates
9) Chronology of HRPDC Discussion of GO Virginia Program
10) Email from Yorktown Naval Weapons Station

#### 11. AUTHORIZATION

I have read the GO Virginia Economic Growth and Diversification Plan and grant scoring guidelines.

I confirm that the information in this application is accurate and complete, and the project proposal, including plans and budgets, is fairly represented.

I agree that once funding is approved, any change to the project proposal will require prior approval of GO Virginia Region 5.

I agree to submit reporting materials as required by GO Virginia Region 5, and where required, financial accounting for evaluation of the activity funded by GO Virginia Region 5.

I understand that the information provided in this application may be accessible under the Freedom of Information Act (FOIA).

I agree to publically acknowledge funding and assistance by GO Virginia Region 5.

I authorize GO Virginia Region 5 to make inquiries, collect and share information with persons, firms, corporations, federal and local government agencies/departments and non-profit organizations, as GO Virginia Region 5 deems necessary for decision, administration, and monitoring for this project.

I agree that information provided in this application may be shared with the appropriate regional advisory committee(s), regional council, GO Virginia Regional Council staff and consultants.

Name (organization signing authority) Robert A. Crum, Jr. HRPDC	Position/Title: Executive Director	Date: 10/31/2017
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# Attachment 10.1

## Resolutions & Letters of Support

### Localities

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Hampton Roads Planning District Commission  
October 31, 2017

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**RESOLUTION ENDORSING THE DEVELOPMENT OF AN UNMANNED SYSTEMS TESTING AND DEMONSTRATION CENTER IN YORK COUNTY, VIRGINIA, AS A REGIONAL ECONOMIC DEVELOPMENT PROJECT AND SUPPORTING THIS PROPOSAL AS A GO VIRGINIA INITIATIVE.**

**WHEREAS**, the Hampton Roads Planning District Commission (HRPDC) has been presented with a proposal for the development of an Unmanned Systems Testing and Demonstration Center in York County, Virginia (“Proposal”); and

**WHEREAS**, the Proposal envisions the incremental development of approximately 432 acres of surplus property owned by the Commonwealth of Virginia in York County, which will be accessible to all Hampton Roads businesses involved in the design and development of unmanned systems technology; and

**WHEREAS**, unmanned systems and aerospace development is identified by HRPDC as a high growth, high wage economic engine; and

**WHEREAS**, the Proposal envisions a shared investment by multiple regional localities and a proportional share of revenues generated by the project; and

**WHEREAS**, a regional management and governance structure is anticipated that will provide for the transparent and cooperative participation of all willing Hampton Roads local government partners based on parameters to be mutually established; and

**WHEREAS**, GO Virginia is a bipartisan, business-led economic development initiative that encourages Virginia’s diverse regions collaborate on economic and workforce development activities; and

**WHEREAS**, the GO Virginia Growth & Opportunity Board is responsible for awarding allotted funds to relevant economic development projects; and

**WHEREAS**, the HRPDC has unanimously endorsed the Proposal as a regional economic development initiative worthy of support through the Go Virginia project evaluation process; and

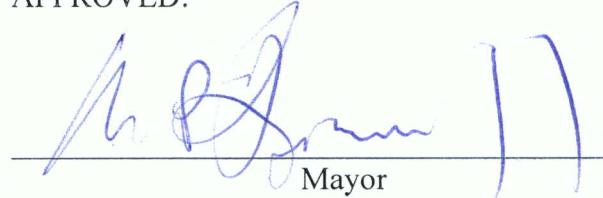
**WHEREAS**, the Council of the City of Chesapeake finds the Proposal to be economically beneficial to the Hampton Roads region through job creation and increased revenues and, therefore, wishes to support the location of the Unmanned Systems Testing and Demonstration Center on state-owned property in York County, Virginia.

**NOW, THEREFORE, BE IT RESOLVED** that the Council of the City of Chesapeake, Virginia does hereby endorse the Hampton Roads Unmanned Systems Testing and Demonstration Center proposal as a GO Virginia project, and

**BE IT FURTHER RESOLVED** that the Council of the City of Chesapeake, Virginia does hereby commit to continued collaboration with Hampton Roads localities and other regional partners to advance and promote the Proposal.

**ADOPTED** by the Council of the City of Chesapeake, Virginia, this 17th day of October, 2017.

APPROVED:

  
\_\_\_\_\_  
Mayor

ATTEST:

  
\_\_\_\_\_  
Clerk of the Council

City Attorney's Office  
City of Chesapeake  
Municipal Center  
306 Cedar Road  
Chesapeake, Virginia  
23322  
(757) 382-6586  
Fax: (757) 382-8749

## Resolution # 2017 – 10

### RESOLUTION BY THE COUNCIL OF THE CITY OF FRANKLIN TO SUPPORT ENDORSING THE REGIONAL UNMANNED INITIATIVE AND A GO VIRGINIA GRANT APPICATION

**Whereas**, the Hampton Roads Planning District Commission has unanimously endorsed the proposed Unmanned Systems Testing and Demonstration Center proposal as a regional economic development initiative worthy of support through the Go Virginia project evaluation process; and

**Whereas**, the proposed project is envisioned to be incrementally developed on approximately 432 acres of surplus Commonwealth of Virginia property located in York County accessible to all Hampton Roads businesses involved in the design and development of unmanned systems technology; and

**Whereas**, unmanned systems and aerospace development is identified as a high growth, high wage economic cluster within Southeast Virginia; and

**Whereas**, the proposal envisions a shared investment by multiple regional localities and a proportional share of project revenues; and

**Whereas**, a regional management and governance structure is anticipated that transparently allows the participation of all willing Hampton Roads local government partners based on parameters to be mutually established;

**Now, Therefore, BE IT RESOLVED**, that the City of Franklin does hereby endorse the Hampton Roads Unmanned Systems Testing and Demonstration Center proposal as a GO Virginia proposal, and

BE IT FURTHER RESOLVED that the City of Franklin commits to continued collaboration with its Hampton Roads regional partners to advance this job creation initiative.

Resolved by the Council of the City of Franklin, Virginia on the 23<sup>rd</sup> day of October, 2017.

APPROVED:

  
\_\_\_\_\_  
MAYOR

ATTEST:

  
\_\_\_\_\_  
CLERK OF COUNCIL

AT A REGULAR MEETING OF THE GLOUCESTER COUNTY BOARD OF SUPERVISORS, HELD ON TUESDAY, OCTOBER 17, 2017, AT 7:00 P.M., IN THE COLONIAL COURTHOUSE, 6504 MAIN STREET, GLOUCESTER, VIRGINIA: ON A MOTION DULY MADE BY MR. HUTSON, AND SECONDED BY MR. CHRISCOE, THE FOLLOWING RESOLUTION WAS ADOPTED BY THE FOLLOWING VOTE:

Phillip N. Bazzani, yes;  
Ashley C. Chriscoe, yes;  
Christopher A. Hutson, yes;  
Andrew James, Jr., yes;  
John C. Meyer, Jr., yes;  
Robert J. Orth, yes;  
Michael R. Winebarger, yes;

**RESOLUTION TO SUPPORT AND ENDORSE SUBMITTAL  
OF THE UNMANNED SYSTEMS TESTING & DEMONSTRATION  
CENTER PROJECT IN GO VIRGINIA REGION 5**

**WHEREAS**, the Hampton Roads Planning District Commission (of which Gloucester County is an active member in good standing) has unanimously endorsed submittal of the Unmanned Systems Testing and Demonstration Center proposal ("the proposed project") as a regional economic development initiative worthy of support through the Go Virginia Region 5 project evaluation process; and

**WHEREAS**, the proposed project is envisioned to be incrementally developed on approximately 432 acres of surplus Commonwealth of Virginia property located in York County accessible to all Hampton Roads businesses involved in the design and development of unmanned systems technology; and

**WHEREAS**, unmanned systems and aerospace development is identified as a high growth, high wage economic cluster within Southeast Virginia; and

**WHEREAS**, approximately 71% of the Middle Peninsula workforce commutes to or through York County in service to and/or in search of such high wage employment opportunities; and

**WHEREAS**, the residents of Gloucester County, being part of Go Virginia Region 6, stand to benefit from the creation of such employment opportunities anticipated to develop pending implementation of the proposed project within Go Virginia Region 5; and

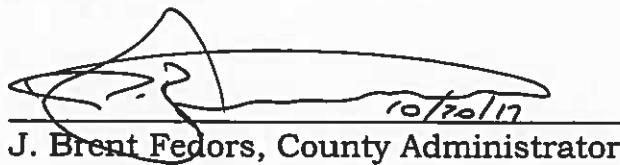
**WHEREAS**, Gloucester County's endorsement of the proposed project submitted in Go Virginia Region 5 would constitute the participation of

multiple Go Virginia regions collaborating together toward a common goal of economic growth and prosperity; and

**WHEREAS**, a regional management and governance structure is anticipated that transparently allows the participation of all willing Hampton Roads local government partners based on parameters to be mutually established;

**NOW, THEREFORE, BE IT RESOLVED** that the County of Gloucester does hereby support and endorse submittal of the proposed project within Go Virginia Region 5.

A Copy Teste:



10/20/17

J. Brent Fedors, County Administrator



# City of Hampton

## Official Record

Resolution: 17-0227

22 Lincoln Street  
Hampton, VA 23669  
[www.hampton.gov](http://www.hampton.gov)

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File Number: 17-0227

### Resolution Endorsing Go Virginia Unmanned Vehicle Proposal and Participation

WHEREAS, the Hampton Roads Planning District Commission has unanimously endorsed the proposed Unmanned Systems Testing and Demonstration Center proposal as a regional economic development initiative worthy of support through the Go Virginia project evaluation process;

WHEREAS, the proposed project is envisioned to be incrementally developed on approximately 432 acres of surplus Commonwealth of Virginia property located in York County accessible to all Hampton Roads businesses involved in the design and development of unmanned systems technology;

WHEREAS, unmanned systems and aerospace development is identified as a high growth, high wage economic cluster within Southeast Virginia;

WHEREAS, the proposal envisions a shared investment by multiple regional localities and a proportional share of project revenues; and

WHEREAS, a regional management and governance structure is anticipated that transparently allows the participation of all willing Hampton Roads local government partners based on parameters to be mutually established;

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Hampton does hereby pledge to participate in the proposed venture to include a proportional financial contribution for the development and operational cost of the project either directly or through its Economic Development Authority;

BE IT FURTHER RESOLVED that such financial participation is understood to be contingent on the project receiving a substantial Go Virginia project grant, the completion of satisfactory cost sharing and governing arrangements as determined by the City Manager and customary and orderly budget approval procedures by the City Council.

approved by the Hampton City Council on 10/11/2017.

**Aye:** 7 Vice Mayor Curtis, Councilmember Gray, Councilmember Hobbs, Councilmember Snead, Councilmember Moffett, Councilmember Schmidt and Mayor Tuck

Signed by:



Donnie R. Tuck

Date

OCT 11 2017

Attested by:



Katherine K. Glass

Date

OCT 11 2017

**RESOLUTION TO PLEDGE TO PARTICIPATE IN THE  
PROPOSED VENTURE TO INCLUDE A PROPORTIONAL  
FINANCIAL CONTRIBUTION FOR THE DEVELOPMENT AND  
OPERATION COST OF THE PROJECT**

WHEREAS, the Hampton Roads Planning District Commission has unanimously endorsed the proposed Unmanned Systems Testing and Demonstration Center proposal as a regional economic development initiative worthy of support through the Go Virginia project evaluation process; and,

WHEREAS, the proposed project is envisioned to be incrementally developed on approximately 432 acres of surplus Commonwealth of Virginia property located in York County accessible to all Hampton Roads businesses involved in the design and development of unmanned systems technology; and,

WHEREAS, unmanned systems and aerospace development is identified as a high growth, high wage economic cluster within Southeast Virginia; and,

WHEREAS, the proposal envisions a shared investment by multiple regional localities and a proportional share of project revenues; and,

WHEREAS, a regional management and governance structure is anticipated that transparently allows the participation of all willing Hampton Roads local government partners based on parameters to be mutually established.

NOW, THEREFORE BE IT RESOLVED that the Board of Supervisors of the County of Isle of Wight, Virginia does hereby pledge to participate in the proposed venture to include a proportional financial contribution for the development and operational cost of the project either directly or through its Economic Development Authority.

BE IT FURTHER RESOLVED that such financial participation is understood to be contingent on the project receiving a substantial Go Virginia project grant, the completion of satisfactory cost sharing and governing arrangements as determined by the County Administrator, and customary and orderly budget approval procedures by the Board of Supervisors.

Adopted this 19th day of October, 2017.

Carey Mills Storm  
Carey Mills Storm, Clerk

Rex W. Alphin

Rex W. Alphin, Chairman

Approved as to form:

Mark C. Popovich  
Mark C. Popovich, County Attorney

## RESOLUTION

### RESOLUTION OF SUPPORT AND WILLINGNESS TO PARTICIPATE IN A GO VIRGINIA GRANT PROPOSAL

WHEREAS, the Hampton Roads Planning District Commission has unanimously endorsed the proposed Unmanned Systems Testing and Demonstration Center proposal as a regional economic development initiative worthy of support through the Go Virginia project evaluation process; and

WHEREAS, the proposed project is envisioned to be incrementally developed on approximately 432 acres of surplus Commonwealth of Virginia property located in York County accessible to all Hampton Roads businesses involved in the design and development of unmanned systems technology; and

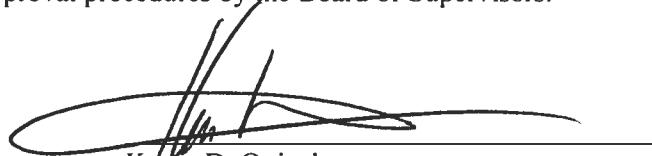
WHEREAS, unmanned systems and aerospace development is identified as a high growth, high wage economic cluster within Southeast Virginia; and

WHEREAS, the proposal envisions a shared investment by multiple regional localities and a proportional share of project revenues; and

WHEREAS, a regional management and governance structure is anticipated that transparently allows the participation of all willing Hampton Roads local government partners based on parameters to be mutually established.

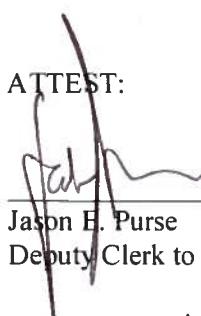
NOW, THEREFORE, BE IT RESOLVED that the Board of Supervisors of James City County does hereby pledge to participate in the proposed venture to include a proportional financial contribution for the development and operational cost of the project either directly or through its Economic Development Authority.

BE IT FURTHER RESOLVED that such financial participation is understood to be contingent on the project receiving a substantial Go Virginia project grant, the completion of satisfactory cost sharing and governing arrangements as determined by the County Administrator and customary and orderly budget approval procedures by the Board of Supervisors.



Kevin D. Onizuk  
Chairman, Board of Supervisors

ATTEST:

  
\_\_\_\_\_  
Jason E. Purse  
Deputy Clerk to the Board

	VOTES	AYE	NAY	ABSTAIN
MCGLENNON	✓			
SADLER	✓			
HIPPLE	✓			
LARSON	✓			
ONIZUK	✓			

Adopted by the Board of Supervisors of James City County, Virginia, this 24th day of October, 2017.

GoVaGrant-res

As the Administrative Coordinator, and Certified Municipal Clerk,  
for the Board of Supervisors and custodian of the Seal, I, Teresa J. Fellows,  
hereby certify that this is a true and correct copy of the original document.

Attachment 10.1

**RESOLUTION NO. 13072-17**

A RESOLUTION OF THE COUNCIL OF THE CITY OF NEWPORT NEWS, VIRGINIA, EXPRESSING SUPPORT FOR AN UNMANNED SYSTEMS TESTING AND DEMONSTRATION CENTER PROPOSAL AS A REGIONAL ECONOMIC DEVELOPMENT INITIATIVE THROUGH THE GO VIRGINIA PROGRAM.

WHEREAS, the Hampton Roads Planning District Commission has unanimously endorsed an Unmanned Systems Testing and Demonstration Center proposal as a regional economic development initiative worthy of support through the GO Virginia project evaluation process; and

WHEREAS, the proposed project is envisioned to be incrementally developed on approximately 432 acres of surplus Commonwealth of Virginia property located in York County, accessible to all Hampton Roads businesses and citizens involved in the design and development of unmanned systems technology; and

WHEREAS, unmanned systems and aerospace development is identified as a priority, high growth, high wage, economic cluster within Southeast Virginia, as outlined in the GO Virginia Region 5 Growth and Diversification Plan; and

WHEREAS, the proposal envisions a shared investment by multiple regional localities and a proportional share of project revenues; and

WHEREAS, a regional management and governance structure is anticipated that will transparently allow the participation of all willing Hampton Roads local government partners based on parameters to be mutually established.

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Newport News, Virginia:

1. That it hereby supports the Unmanned Systems Testing and Demonstration Center proposal as a regional economic development initiative through GO Virginia Funding.

2. That it recognizes the important of the collaborative, regional economic development initiative and the value that the proposed project would have to Hampton Roads businesses and citizens involved in the design and development of unmanned systems technology.

3. That it hereby authorizes and directs the City Manager to undertake the necessary steps and actions to establish the City's participation in the proposed project, with the understanding that any financial participation by the City is contingent upon the following:

- A. The project receiving a substantial GO Virginia project grant;
- B. The establishment of a satisfactory cost-sharing and governing agreement(s) for the project and approval of said agreement(s) by the City Council; and

C. Appropriation of funds by the City Council.

4. That this resolution shall be in effect on and after the date of its adoption, October 24, 2017.

PASSED BY THE COUNCIL OF THE CITY OF NEWPORT NEWS ON OCTOBER 24, 2017

Mabel Washington Jenkins, MMC  
City Clerk

McKinley L. Price, DDS  
Mayor

A true copy, teste:

*Mabel Washington Jenkins*  
City Clerk

Form and Correctness Approved:

By B. P. Richeson  
Office of the City Attorney

Contents Approved:

By Stan Debey  
DEPT.

NORFOLK, VIRGINIA

## Resolution 1,686

**R-10**

A RESOLUTION SUPPORTING AND ENDORSING THE UNMANNED SYSTEMS TESTING AND DEMONSTRATION CENTER IN YORK COUNTY, VIRGINIA.

- - -

WHEREAS, the Hampton Roads Planning District Commission (HRPDC) unanimously endorsed the proposed Unmanned Systems Testing and Demonstration Center proposal as a regional economic development initiative worthy of support through the Go Virginia project evaluation process; and

WHEREAS, the proposed project is envisioned to be incrementally developed on approximately 432 acres of surplus Commonwealth of Virginia property located in York County accessible to all Hampton Roads businesses involved in the design and development of unmanned systems technology; and

WHEREAS, unmanned systems and aerospace development is identified as a high growth, high wage economic cluster within Southeast Virginia; and

WHEREAS, the proposal envisions a shared investment by multiple regional localities and a proportional share of project revenues; and

WHEREAS, a regional management and governance structure is anticipated that transparently allows the participation of all willing Hampton Roads local government partners based on parameters to be mutually established; now, therefore,

BE IT RESOLVED by the Council of the City of Norfolk:

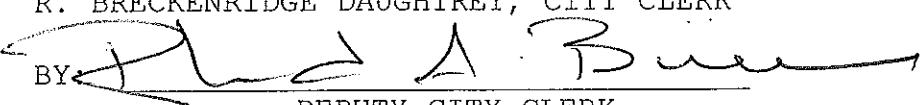
Section 1:- That the City Council supports the proposed Unmanned Systems Testing and Demonstration Center and its Go Virginia project grant application.

Section 2:- That this resolution shall be in effect from and after its adoption.

Adopted by Council October 24, 2017  
Effective October 24, 2017

TRUE COPY  
TESTE:

R. BRECKENRIDGE DAUGTREY, CITY CLERK

BY 

DEPUTY CITY CLERK

RESOLUTION NO. 5008

**RESOLUTION ENDORSING THE GO VIRGINIA REGION 5  
GRANT APPLICATION: UNMANNED SYSTEMS TESTING AND  
DEMONSTRATION FACILITY**

**WHEREAS**, the Hampton Roads Planning District Commission has unanimously endorsed the proposed Unmanned Systems Testing and Demonstration Center proposal as a regional economic development initiative worthy of support through the GO Virginia project evaluation process; and

**WHEREAS**, the proposed project is envisioned to be incrementally developed on approximately 432 acres of surplus Commonwealth of Virginia property located in York County accessible to all Hampton Roads businesses involved in the design and development of unmanned systems technology; and

**WHEREAS**, unmanned systems and aerospace development is identified as a high growth, high wage economic cluster within Southeast Virginia; and

**WHEREAS**, the proposal envisions a shared investment by multiple regional localities and a proportional share of project revenues; and

**WHEREAS**, a regional management and governance structure is anticipated that transparently allows the participation of all willing Hampton Roads local government partners based on parameters to be mutually established.

**NOW, THEREFORE BE IT RESOLVED** by the Council of the City of Poquoson, Virginia:

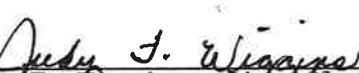
**Section 1:** That the City of Poquoson does hereby express its interest in participating in the proposed venture to consider a financial contribution for the development and operational cost of the project either directly or through its Economic Development Authority.

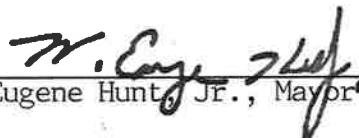
**Section 2:** That such financial participation is understood to be contingent on the project receiving a substantial GO Virginia project grant, the completion of satisfactory cost sharing and governing arrangements as determined by the City Manager and customary and orderly budget approval procedures by the City Council.

**Section 3:** That this resolution shall be in effect on and after its adoption.

ATTESTE:

ADOPTED: October 10, 2017

  
\_\_\_\_\_  
Judy F. Wiggins, City Clerk

  
\_\_\_\_\_  
W. Eugene Hunt Jr., Mayor

The foregoing resolution was adopted by the affirmative roll call vote of a majority of the members in attendance, the ayes and nays recorded in the minutes of the meeting as shown below:

Councilman Hux	YES
Councilman Southall	YES
Vice Mayor Freeman	YES

Councilman Cannella	YES
Councilwoman Andrews	YES
Mayor Hunt	YES



## **BOARD OF SUPERVISORS SOUTHAMPTON COUNTY, VIRGINIA**

### **RESOLUTION 1017-12B**

At a meeting of the Board of Supervisors of Southampton County, Virginia, held in the Southampton County Office Center, Board of Supervisors' Meeting Room, 26022 Administration Center Drive, Courtland, Virginia on Monday, October 23, 2017 at 7:00 p.m.

#### **PRESENT**

The Honorable Dallas O. Jones, Chairman  
The Honorable Ronald M. West, Vice Chairman  
The Honorable R. Randolph Cook  
The Honorable Alan W. Edwards, Jr.  
The Honorable Carl J. Faison  
The Honorable S. Bruce Phillips  
The Honorable Barry T. Porter

#### **IN RE:    Support of Unmanned Systems Testing and Demonstration Center**

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Motion by Supervisor Porter:

Whereas the Hampton Roads Planning District Commission has unanimously endorsed the proposed Unmanned Systems Testing and Demonstration Center proposal as a regional economic development initiative worthy of support through the Go Virginia project evaluation process; and

Whereas the proposed project is envisioned to be incrementally developed on approximately 432 acres of surplus Commonwealth of Virginia property located in York County accessible to all Hampton Roads businesses involved in the design and development of unmanned systems technology; and

Whereas unmanned systems and aerospace development is identified as a high growth, high wage economic cluster within Southeast Virginia; and

Whereas the proposal envisions a shared investment by multiple regional localities and a proportional share of project revenues; and

Whereas a regional management and governance structure is anticipated that transparently allows the participation of all willing Hampton Roads local government partners based on parameters to be mutually established;

Now, Therefore, BE IT RESOLVED that the County of Southampton does hereby endorse the Hampton Roads Unmanned Systems Testing and Demonstration Center proposal as a GO Virginia proposal, and

BE IT FURTHER RESOLVED that the County of Southampton commits to continued collaboration with its Hampton Roads regional partners to advance this job creation initiative.

Seconded by Supervisor West.

VOTING ON THE ITEM: YES – Supervisor(s) Jones, West, Cook, Edwards, Faison, Phillips and Porter

NO – None

## A COPY TESTE:

Chin C. Shen

---

Michael W. Johnson, County Administrator/  
Clerk, Southampton County Board of Supervisors



# City of Virginia Beach

[VBgov.com](http://VBgov.com)

OFFICE OF THE CITY MANAGER  
(757) 385-4242  
FAX (757) 427-5626

MUNICIPAL CENTER  
BUILDING NUMBER 1 ROOM 234  
2401 COURTHOUSE DRIVE  
VIRGINIA BEACH, VA 23466-9001

October 19, 2017

GO Virginia Region 5 Regional Council  
c/o Reinvent Hampton Roads  
Attn: Thomas Frantz, Chair  
101 West Main Street, Ste. 415  
Norfolk, VA 23510

## **RE: Letter of Support for the Unmanned Systems Testing and Demonstration Center**

Chairman Frantz;

Whereas the Hampton Roads Planning Commission unanimously endorsed the Unmanned Systems Testing and Demonstration Center Proposal as a regional economic development initiative I would like to provide my full support for its submission as a GO Virginia project. The ability to acquire surplus Commonwealth property located in York County for development and testing of unmanned systems and aerospace initiatives holds great potential for job growth here in Hampton Roads. Our large military contingent and evolving 21<sup>st</sup> Century start-up businesses will be able to take advantage of this opportunity. Attraction of high paying technology and engineering jobs will be greatly enhanced.

Sincerely,

David L. Hansen  
City Manager



## RESOLUTION #17-17

### **A RESOLUTION SUPPORTING THE APPLICATION FOR FUNDING FROM THE VIRGINIA GROWTH AND OPPORTUNITY FUND FOR THE UNMANNED SYSTEMS TESTING AND DEMOSTRATION CENTER PROPOSAL IN YORK COUNTY**

**WHEREAS**, in accordance with Virginia Growth and Opportunity Act, it is necessary that a City Council resolution be made to support applications for funding from the GO Virginia Fund; and

**WHEREAS**, the Hampton Roads Planning District Commission has unanimously endorsed the proposed Unmanned Systems Testing and Demonstration Center proposal as a regional economic development initiative worthy of support through the Go Virginia project evaluation process; and

**WHEREAS**, the proposed project is envisioned to be incrementally developed on approximately 432 acres of surplus Commonwealth of Virginia property located in York County accessible to all Hampton Roads businesses involved in the design and development of unmanned systems technology; and

**WHEREAS**, unmanned systems and aerospace development is identified as a high growth, high wage economic cluster within Southeast Virginia; and

**WHEREAS**, the proposal envisions a shared investment by multiple regional localities and a proportional share of project revenues; and

**WHEREAS**, a regional management and governance structure is anticipated that transparently allows the participation of all willing Hampton Roads local government partners based on parameters to be mutually established;

**THEREFORE, BE IT RESOLVED** that the City of Williamsburg does hereby pledge to participate in the proposed venture to include a proportional financial contribution for the development and operational cost of the project either directly or through its Economic Development Authority;

**BE IT FURTHER RESOLVED** that such financial participation is understood to be contingent on the project receiving a substantial Go Virginia project grant, the completion of satisfactory cost sharing and governing arrangements as determined by the City Manager, and customary and orderly budget approval procedures by the City Council.

Adopted: October 12, 2017



Donna Scott, City Council Clerk



Paul T. Freiling, Mayor

# TOWN OF WINDSOR

Town Elected Officials  
Carita J. Richardson, Mayor  
Durwood V. Scott - Vice Mayor  
Greg Willis  
N. Macon Edwards, III  
Patty Flemming  
Tony Ambrose  
Walter Bernacki

Town Manager  
Michael R. Stallings, Jr.  
Town Clerk  
Terry Whitehead  
Town Attorney  
Wallace W. Brittle, Jr.



Established 1902

October 20, 2017

GO Virginia Region 5 Regional Council  
c/o/ Reinvent Hampton Roads  
Attn: Thomas Frantz, Chair  
101 West Main Street, Ste. 415  
Norfolk, VA 23510

RE: Letter of Support for the Unmanned Systems Testing and Demonstration Center

Chairman Frantz,

I am writing to express my full support for the Unmanned Systems Testing and Demonstration Center Proposal as a GO Virginia project. The project holds great potential for economic and job growth in all of Hampton Roads and the Commonwealth of Virginia. With our area's large Military presence, this project would provide a wonderful opportunity for the entire region.

Thank you,

Michael Stallings  
Town Manager

BOARD OF SUPERVISORS  
COUNTY OF YORK  
YORKTOWN, VIRGINIA

Resolution

At a regular meeting of the York County Board of Supervisors held in York Hall, Yorktown, Virginia, on the 17th day of October, 2017:

---

<u>Present</u>	<u>Vote</u>
Sheila S. Noll, Chairman	Yea
Jeffrey D. Wassmer, Vice Chairman	Yea
Walter C. Zaremba	Yea
W. Chad Green	Yea
Thomas G. Shepperd, Jr.	Yea

---

On motion of Mr. Shepperd, which carried 5:0, the following resolution was adopted:

A RESOLUTION TO SUPPORT AND PARTICIPATE IN AN UNMANNED SYSTEMS TESTING AND DEMONSTRATION CENTER PROPOSAL AS A REGIONAL ECONOMIC DEVELOPMENT INITIATIVE THROUGH THE GO VIRGINIA PROGRAM

WHEREAS, the Hampton Roads Planning District Commission has unanimously endorsed the proposed Unmanned Systems Testing and Demonstration Center proposal as a regional economic development initiative worthy of support through the Go Virginia project evaluation process; and

WHEREAS, the proposed project is envisioned to be incrementally developed on approximately 432 acres of surplus Commonwealth of Virginia property located in York County accessible to all Hampton Roads businesses involved in the design and development of unmanned systems technology; and

WHEREAS, unmanned systems and aerospace development is identified as a high growth, high wage, economic cluster within Southeast Virginia; and

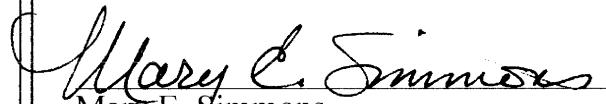
WHEREAS, the proposal envisions a shared investment by multiple regional localities and a proportional share of project revenues; and

WHEREAS, a regional management and governance structure is anticipated that transparently allows the participation of all willing Hampton Roads local government partners based on parameters to be mutually established;

NOW, THEREFORE, BE IT RESOLVED by the York County Board of Supervisors this the 17th day of October, 2017, that the County of York does hereby pledge to participate in the proposed venture to include a proportional financial contribution for the development and operational cost of the project either directly or through its Economic Development Authority.

BE IT FURTHER RESOLVED that such financial participation is understood to be contingent on the project receiving a substantial Go Virginia project grant, the completion of satisfactory cost sharing and governing arrangements as determined by the County Administrator, and customary and orderly budget approval procedures by the Board of Supervisors.

A Copy Teste:



Mary E. Simmons  
Deputy Clerk

MEMBER  
JURISDICTIONS

CHESAPEAKE

October 4, 2017

Mr. James K. Spore  
President & CEO  
ReInvent Hampton Roads  
101 W. Main Street, Suite 415  
Norfolk, VA 23510

GLOUCESTER

RE: Letter of Intent to Apply - GO Virginia Proposals

HAMPTON

Dear Mr. Spore:

ISLE OF WIGHT

On September 21, 2017, the Hampton Roads Planning District Commission (HRPDC) voted unanimously to endorse the following proposals as GO Virginia applications:

- Hampton Roads Unmanned Systems Testing, Demonstration and Recreational Facility
- Hampton Roads Regional Broadband Initiative

NORFOLK

The HRPDC is a regional organization representing over 1.7 million people in the 17 localities of Hampton Roads, Virginia, including the cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach and Williamsburg, the town of Smithfield, and the counties of Gloucester, Isle of Wight, James City, Southampton, Surry, and York.

POQUOSON

The HRPDC's unified statement of regional support for these applications demonstrates the tremendous opportunities these proposals offer for the Hampton Roads regional economy. The HRPDC strongly encourages the GO Virginia Regional Council and State GO Virginia Board to support these exciting initiatives.

PORTSMOUTH

The HRPDC is pleased to endorse both of these GO Virginia applications and will work with the partnering jurisdictions to ensure that these proposals are submitted by the October 31 GO Virginia application deadline.

SMITHFIELD

Thank you in advance for your positive consideration of these proposals. If you have any questions, please contact HRPDC Executive Director Bob Crum at [rcrum@hrpdcva.gov](mailto:rcrum@hrpdcva.gov) or 757-420-8300.

SOUTHAMPTON

Sincerely,



Ella P. Ward

Dr. Ella Ward, Chair  
Hampton Roads Planning District Commission

SUFFOLK

SURRY

VIRGINIA BEACH

WILLIAMSBURG

YORK

# **Attachment 10.4**

## **Letters of Support**

### **Colleges & Universities**

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Hampton Roads Planning District Commission  
October 31, 2017

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October 23, 2017

Mr. Thomas Frantz  
Chairman  
GO Virginia Regional Council 5  
101 W. Main Street, Suite 415  
Norfolk, VA 23510

Dear Mr. Frantz:

The Virginia Institute of Marine Science (VIMS) fully and enthusiastically supports the formal endorsement by the Hampton Roads Planning District Commission for the Region 5-Virginia Growth and Opportunity Fund Application for an *Unmanned Systems Testing and Demonstration Facility proposed for York County*.

There is clearly an identified need for a facility to test, demonstrate, and help attract businesses to Southeast Virginia that have a need for, or connection to, unmanned systems. Notably,

- Unmanned systems and aerospace development is identified as a high growth, high wage economic cluster within Southeast Virginia.
- The proposed unmanned systems testing and demonstration facility will significantly assist with this cluster's growth and the proposal is structured to allow participation by any interested Hampton Roads locality.
- The proposed project is envisioned to be incrementally developed on approximately 432 acres of surplus Commonwealth of Virginia property located in York County accessible to all Hampton Roads businesses involved in the design and development of unmanned systems technology.
- While VIMS by virtue of its location at Gloucester Point is in GO Virginia Region 6, we could clearly benefit from access to this facility and its resources, and could form an important link between Region 5 and Region 6.

As you may be aware, VIMS is already engaged in activities associated with this emerging cluster and supports expansion of the academic and business community that can benefit from the use of drones. VIMS is actively using drones in aerial applications as well as autonomous underwater vehicles for similar applications in the marine environment. Our work includes delineation and mapping of wetlands, determining shoreline erosion and land-use changes, mapping harmful algal blooms (red tides), assessing water quality variables and, in the future, has the potential for determining fish populations. Our work has economic implications.

We encourage the development of the unmanned systems industry in the region and support York County and the collaborating localities in their proposed project.

Sincerely,

  
John T. Wells  
Dean and Director



# WILLIAM & MARY

CHARTERED 1693

## OFFICE OF THE VICE PRESIDENT FOR STRATEGIC INITIATIVES & PUBLIC AFFAIRS

October 23, 2017

Mr. Thomas R. Frantz  
Chairman  
GO Virginia Regional Council 5  
101 W. Main Street, Suite 415  
Norfolk, VA 23510

Dear Mr. Frantz:

William & Mary is pleased to support the application of York County to the Region 5 GO Virginia Council for a grant to support an Unmanned Systems Testing and Demonstration Facility.

As you know, unmanned systems and aerospace development has been identified as a high-growth, high-wage economic cluster within Southeast Virginia, and we believe this facility could create new opportunities for faculty and students at W&M to collaborate with industry partners.

The proposed project is envisioned to be incrementally developed on approximately 432 acres of surplus Commonwealth of Virginia property located in York County and accessible to all Hampton Roads businesses involved in the design and development of unmanned systems technology. This proximity to W&M's campus enhances the potential opportunities for the university's involvement.

We encourage the development and expansion of an unmanned systems industry in the region, and we support York County and the participating localities in their pursuit of this project.

Sincerely,

A handwritten signature in black ink, appearing to read "Henry R. Broaddus".

Henry R. Broaddus  
Vice President for Strategic Initiatives & Public Affairs

# **Attachment 10.5**

## **Letters of Support**

### **Business**

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Hampton Roads Planning District Commission  
October 31, 2017

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September 5, 2017

To: Whom it May Concern  
From: William Fredericks, CEO, AAC  
Subj: Letter of Support for GO Virginia Unmanned Systems (UMS) Proposal

Advanced Aircraft Company (AAC) is an aeronautical engineering and aircraft manufacturing company based in Hampton, Virginia. AAC produces vertical takeoff and landing (VTOL) UAS targeting commercial and military markets. AAC was founded in 2015 by Bill Fredericks, a former aerospace engineer at the NASA Langley Research Center where he led the development of NASA's Greased Lightning UAS technology. Additionally, he served as an artillery officer in the US Marine Corps and is a veteran of Operation Enduring Freedom (Afghanistan).

**Access to airspace is of strategic importance to AAC and has been one of the more difficult challenges while developing the Hercules UAS.** AAC is located at the REaKTOR Technology Accelerator (formerly, Peninsula Technology Incubator) (PTI) in Hampton, VA. Nearly the entire city of Hampton is covered by Langley Air Force Base's Class D airspace. AAC performs its developmental flight testing under FAA's Part 107 regulations. Part 107 operations are not allowed to be conducted in class B, C, or D airspace without a prior airspace authorization. Thus far AAC has been unsuccessful receiving an airspace authorization from the FAA.

AAC has implemented a spiral development strategy of designing and testing. Due to the small size of our aircraft, in most cases for us it is faster and less expensive to build and test prototypes than to focus on modeling and simulation. Therefore, the ability to test our aircraft is of utmost importance to our business. Currently AAC has an agreement with a farmer in Charles City County to perform flight testing of our aircraft on his property. This is a good place to test with one exception. It is over an hour to drive from our business to this location. On many occasions, when we travel out to our test location, set up begin testing, and a fault with the aircraft is found. Then we have to pack everything back up and drive back to our lab at PTI to perform the repair and the majority of the day is lost. **If AAC were located in a location that would also support flight testing, we would be able to shorten our test / redesign cycles. This would make a significant acceleration to the growth of our business, which will bring more high-tech jobs to the region.**

This UMS facility proposal is timely because we have begun searching for a property to lease in an industrial park on the West side of the James river between Smithfield and Surry in order to perform flight testing at our place of business. The entire lower peninsula is covered by the Class D airspace of by Langley Air Force Base, Newport News Airport, and Ft. Eustis. This location off of Penniman Road is just outside of these Class D airspace, which enables commercial UAS flight operations via FAA Part 107. Additionally, quick access to I-64 is also very beneficial.

With AAC's current growth rate, we will need to move to a larger facility in Winter 2018. We would like to lease a location with ~400 sq feet of office space and ~2,000 sq ft of shop space to use for aircraft manufacturing. This facility should border on the "Fly Zone". AAC will use the "Fly Zone" frequently both for R&D flight testing and quality control of production aircraft. Assuming the

continued growth of AAC, in 2020 we would need a larger facility. Either leasing a larger facility, or buying a piece of property bordering on the “Fly Zone” and build our own facility are both good options.

AAC strongly supports this GO Virginia UMS proposal. This would be an ideal location for AAC to move to. I am confident other UMS business will find this facility appealing for my above listed reasons. Additionally, this site would be unique because it covers all three UMS domains (Air, Sea, and Land) while being close to a major population center. **Please approve this proposal quickly because as soon as this site operational, it will immediately begin generating revenue from a lease by AAC.**

Respectfully submitted,



William J. Fredericks  
Founder & CEO  
Advanced Aircraft Company

October 26, 2017

To: James W. Noel, Jr.  
Director, York County Office of Economic Development  
224 Ballard Street, Yorktown, 23690

This letter is to provide AVID's support for the GO Virginia Proposal, Hampton Roads Unmanned Systems Testing, Demonstration and Recreation Facility.

A test site that services local industry is a critical need for unmanned systems. The need will continue to grow as new vehicles; software and applications develop in this rapidly expanding industry. This site will allow AVID to perform testing, demonstration and training in a safe, low-cost, locally accessible environment. Currently, we have to travel several hours at considerable expense to perform approved testing. Besides AVID, there are several local companies that will take advantage of this unique facility.

The proposed site is excellent because of its location. It is in an area of uncontrolled airspace that can be used for commercial operations under FAR Part 107 without requiring complex permissions. AVID will operate under those rules. The Coordinator can work with the participating companies to ensure compliance and assist where waivers may be necessary. It also has advantages due to its proximity to transportation, food and lodging.

The Hampton Roads region has great capability and ingenuity for the development of unmanned systems. AVID projects business growth of over 50 employees in the next 5 years to satisfy the increasing demand for safe and secure unmanned vehicles, which will perform industrial inspection, hazardous materials accident response, agricultural survey and other civilian tasks. The expected jobs will be high paying with average annual salaries in excess of \$50,000.

AVID LLC, a small business in York County, is working to develop a production facility that would supply unmanned aircraft for government, civilian, commercial and industrial uses. Our existing design has been developed to perform tasks such as tank inspection, ship hull inspection, mapping and analysis of construction sites, bridge and tunnel inspection, slope analysis, communications relay, and hazardous chemical/radiation detection. We are at a point that we need a safe and accessible place to test and demonstrate our capability. Test and demonstration will lead to sales and future growth of our company.

Respectfully,



Paul Gelhausen  
Owner AVID LLC



**DRONICAR INC.**



Oct. 30, 2017

To: James W. Noel, Jr.  
Director of York County Office of Economic Development  
224 Ballard St., Yorktown, VA 23690

This letter is to provide Dronicar Inc.'s best support for GO Virginia Proposal of Hampton Roads Unmanned Systems Testing, Demonstration and Recreation Facility.

An industrial and recreational drone test site is required for many Unmanned Aerial Systems (UAS) companies in Virginia. Although Hampton Roads accommodates excellent R&D institutions like NASA Langley and National Institute of Aerospace (NIA), there is no nearby commercial UAS flight test sites. Thus, local UAS companies have to travel long hours or go to other states or even foreign countries to perform flight tests. Also, it is necessary to open a UAS flight school and training zone to educate new commercial drone pilots for the growing new industry. If we can create a shared R&D center and flight test zone for Virginia Hampton Roads companies, it will accelerate the economic growth and create more high salary professional jobs in Virginia.

The flight test site can be used as a recreational drone theme park since it is located next to Busch Garden and Water Country USA. Recent study shows that Williamsburg's hotel occupancy in February is only 25%, declining after 400<sup>th</sup>-year celebration in 2007 while Orlando, FL has 80% and Charleston, SC has 60% hotel occupancy. In my personal opinion, it is very easy to integrate Virtual Reality (VR) and Mixed Reality (MR) instrument with Drone Technology. Hampton Roads has very rich histories, The First Settlement – James Town, Colonial Time- Williamsburg, Independence War-Victory Monument and General Washington's Headquarter in Yorktown, Civil War – Ironclad Monitor and WWII – General MacArthur in Norfolk. All these important historical moments can be recreated and combined with VR/MR and Drone technology. Therefore, the recreational and industrial flight test center can create a new high-tech drone theme park, "The East World" to attract more tourists to Hampton Roads and Virginia.

As a CEO of Dronicar Inc. which developed the first 1,000 watt class solar airship drone for NASA Langley in 2011 and new advertisement airship drones in 2017, I believe that the new Drone Park in Go Virginia Proposal is very necessary and critical for community development to create professional high-income jobs and fast economic growth of Virginia.

With my best support for Virginia,

Ethan – Yeonjoon Park, Ph.D.

CEO of Dronicar Inc.

Dronicar Inc.  
105 Professional Pkwy. #1502  
Yorktown, VA 23693

web site: [www.dronicar.com](http://www.dronicar.com)  
email: [info@dronicar.com](mailto:info@dronicar.com)  
Phone: (757) 742-3766  
Attachment 10.5

# **Attachment 10.6**

## **Letters of Support**

### **Community Stakeholders**

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Hampton Roads Planning District Commission  
October 31, 2017

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**Gloucester County**  
Economic Development  
Opportunity | Synergy | Sustainability

Whereas the Hampton Roads Planning District Commission (of which Gloucester County is an active member in good standing) has unanimously endorsed submittal of the Regional Broadband Initiative proposal ("the proposed project") as a regional economic development initiative worthy of support through the Go Virginia Region 5 project evaluation process; and

Whereas the proposed project is envisioned to be incrementally developed over time across all 17 Hampton Roads jurisdictions; and

Whereas access to reliable, affordable broadband is critical to support education, workforce development and economic development; and

Whereas the proposed project seeks to interconnect municipal networks, incorporating connectivity between institutions of higher education across Hampton Roads, two of which are located in Gloucester County (Virginia Institute of Marine Science and Rappahannock Community College); and

Whereas approximately 71% of the Middle Peninsula's workforce commutes out of the district in service to and/or in search of high wage employment opportunities; and

Whereas the Gloucester County Board of Supervisors' Vision for 2035 includes "universal broadband access provid[ing] citizens with an opportunity to work where they live and support[ing] the growth of home-based entrepreneurs"; and

Whereas the infrastructure investments outlined in the proposed project would serve to enable future endeavors in support of the Gloucester County Board of Supervisors' Vision for 2035; and

Whereas the residents of Gloucester County, being part of Go Virginia Region 6, stand to benefit from the creation of such employment opportunities anticipated to develop pending implementation of the proposed project within Go Virginia Region 5; and

Whereas the Gloucester County Board of Supervisors has resolved to support and endorse submittal of the proposed project in Go Virginia Region 5, constituting the participation of multiple Go Virginia regions collaborating together toward a common goal of economic growth and prosperity; and

Whereas a regional management and governance structure is anticipated that transparently allows the participation of all willing Hampton Roads local government partners based on parameters to be mutually established;

Now, Therefore, BE IT RESOLVED that the Gloucester County Economic Development Authority does hereby support and endorse submittal of the proposed project within Go Virginia Region 5; and

BE IT FURTHER RESOLVED that the Gloucester County Economic Development Authority does hereby pledge financial support of the proposed project in an amount to be determined at a later date and subject to approval by the Gloucester County Economic Development Authority at a later date, acknowledging that such financial participation is contingent on the proposed project receiving a substantial Go Virginia project grant, the completion of satisfactory cost sharing and governing arrangements as determined by the Gloucester County Economic Development Authority, and customary and orderly budget approval procedures by the Gloucester County Economic Development Authority.

  
Evan B. VanLeeuwen, Chairman  
Economic Development Authority of Gloucester County, Virginia  
October 24, 2017

**RESOLUTION OF SUPPORT  
FOR AN UNMANNED SYSTEMS TESTING AND DEMONSTRATION CENTER  
GO VIRGINIA GRANT PROPOSAL**

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Whereas, the Hampton Roads Planning District Commission has unanimously endorsed the proposed Unmanned Systems Testing and Demonstration Center proposal as a regional economic development initiative worthy of support through the Go Virginia project evaluation process; and

Whereas, the proposed project is envisioned to be incrementally developed on approximately 432 acres of surplus Commonwealth of Virginia property located in York County accessible to all Hampton Roads businesses involved in the design and development of unmanned systems technology; and

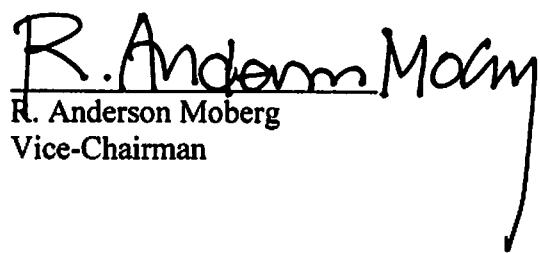
Whereas, unmanned systems and aerospace development is identified as a high growth, high wage economic cluster within Southeast Virginia; and

Whereas, the proposal envisions a shared investment by multiple regional localities and a proportional share of project revenues; and

Whereas, a regional management and governance structure is anticipated that transparently allows the participation of all willing Hampton Roads local government partners based on parameters to be mutually established;

Now, Therefore, BE IT RESOLVED that Greater Williamsburg Partnership does hereby pledge to fully support and promote this economic development initiative as part of its regional marketing program;

BE IT FURTHER RESOLVED that this proposal will have a very positive impact on the Hampton Roads economy and therefore is worthy of receiving a substantial Go Virginia project grant subject to the completion of satisfactory cost sharing and governing arrangements as determined by the City Manager/County Administrator, and customary and orderly budget approval procedures by the City Council/Board of Supervisors.

  
R. Anderson Moberg  
Vice-Chairman

September 5, 2017

Memorandum for Economic Development Directors of:

- City of Hampton	- James City County	- City of Newport News
- City of Poquoson	- City of Williamsburg	- York County

Enclosure: Letter from Peninsula Economic Developers to Jim Spore dtd 8/24/17

Subject: Support for Unmanned Systems Test Sites in Hampton Roads

On behalf of Reinvent Hampton Roads' Unmanned Systems (UMS) Cluster Steering Committee (CSC) I encourage the Hampton Roads localities to work together in pursuit of testing facilities to develop unmanned systems in the region.

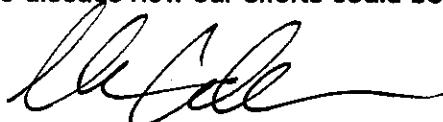
The unmanned aerial system (UAS) facility, such as the one being considered in York County on the former fuel dump site presents an ideal candidate for site development. Infrastructure development is consistent with recommendations provided by the UMS CSC to Reinvent Hampton Roads.

Your initiative is complementary to a two-phase effort the UMS CSC is leading on behalf of private industry. Phase I is a demonstration of air, land, and sea unmanned systems use at Wallops Island. The intent is to prove the concept of coordinated capabilities that exist in Hampton Roads today. Outside of DoD, no other location across the Nation has demonstrated multi-domain (air, land, and sea systems) conducting missions best suited to unmanned systems (e.g., search & rescue, infrastructure inspections, and security). Phase I will prove our capabilities, and market our competitive advantage.

Phase II of the UMS CSC proposal would establish a 1.5 full time equivalent effort to continue building the UMS industry in Hampton Roads. If funded, these personnel will work closely with the HR-USA effort championed by Daniel Morris. This Phase is important to our future success in this industry, and should be coordinated through a regional approach.

The realization of both phases, including your prospective endorsements to our GO Virginia proposal will include coordinating with local, state, and national government offices; universities; and trade organizations. Aside from the business marketing and demonstration, we rely on your assistance to promote Joint-use agreements with local installations and bases, identify and permit testing sites for unmanned systems, and establish tax incentives to make it easier for our industry to grow. As business leaders, we can demonstrate capabilities, but we rely heavily on you to promote the necessary Legislative agenda items. The combined effort would serve as a central resource for anyone developing UMS-related business in Hampton Roads.

Please let me know if there is anything I can do to help you in your efforts and if you would like to discuss how our efforts could be tied together.



Michael G. Archuleta  
Chairman, UMS CSC

cc:

1. Reinvent Hampton Roads, Matt Andrews

2. Economic Development Directors of:

- Accomack County	- City of Chesapeake	- City of Franklin
- Isle of Wight County	- City of Norfolk	- Northampton County
- City of Portsmouth	- Southampton County	- Town of Smithfield
- Suffolk County	- City of Virginia Beach	

Attachment 10.6



**Economic Development Authority**  
101-D Mounts Bay Rd.  
P.O. Box 8784  
Williamsburg, VA 23187  
757-253-6607  
[yesjamescitycountyva.com](http://yesjamescitycountyva.com)

October 25, 2017

Mr. Thomas R. Frantz, Chairman  
GO Virginia Region 5 Regional Council  
c/o Reinvent Hampton Roads  
101 West Main Street, Ste. 415  
Norfolk, VA 23510

***Re: Letter of Support for the Unmanned Systems Testing and Demonstration Center Proposal***

Dear Chairman Frantz,

On behalf of the Economic Development Authority of James City County, I wish to express our support for the proposed Unmanned Systems Testing and Demonstration Center proposal as a regional economic development initiative through the Go Virginia project evaluation process. The proposed project is envisioned to be developed on approximately 432 acres of surplus Commonwealth of Virginia property located in York County accessible to all Hampton Roads businesses involved in the design and development of unmanned systems technology.

Unmanned systems and aerospace development is identified as a targeted high growth, high wage economic cluster within Southeast Virginia, that will support 21<sup>st</sup> century business alongside our military and civil defense industry. The proposal envisions a shared investment by multiple regional localities and a proportional share of the revenue through a regional management and governance structure that transparently allows the participation of all willing Hampton Roads local government partners.

The Economic Development Authority is pleased to offer their support and endorsement of this proposal.

Sincerely,

Robin Carson  
Vice Chair



**A RESOLUTION SUPPORTING THE APPLICATION FOR FUNDING FROM THE VIRGINIA GROWTH AND OPPORTUNITY FUND FOR THE UNMANNED SYSTEMS TESTING AND DEMOSTRATION CENTER PROPOSAL IN YORK COUNTY**

**WHEREAS**, the Virginia Growth and Opportunity Act set forth a Go Virginia initiative that will fund regional economic development projects; and

**WHEREAS**, the Williamsburg Economic Development Office has worked with the Economic Development Offices of James City County, Hampton, Newport News, Poquoson and York County to develop an Unmanned Systems Testing and Demonstration Center proposal as a regional economic development initiative worthy of support through the Go Virginia project evaluation process; and

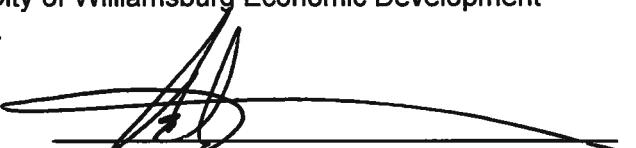
**WHEREAS**, the proposed project is envisioned to be incrementally developed on approximately 432 acres of surplus Commonwealth of Virginia property located in York County accessible to all Hampton Roads businesses involved in the design and development of unmanned systems technology; and

**WHEREAS**, unmanned systems and aerospace development is identified as a high growth, high wage economic cluster within Southeast Virginia; and

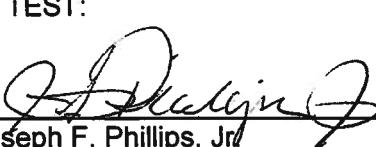
**WHEREAS**, the proposal envisions a shared investment by multiple regional localities and a proportional share of project revenues; and

**WHEREAS**, a regional management and governance structure is anticipated that transparently allows the participation of all willing Hampton Roads local government partners based on parameters to be mutually established;

**THEREFORE, BE IT RESOLVED** that the City of Williamsburg Economic Development Authority supports and endorses the project.

  
Chairman, Economic Development Authority  
City of Williamsburg, Virginia

ATTEST:

  
Joseph F. Phillips, Jr.  
Secretary to the EDA

	VOTES		
	<u>AYE</u>	<u>NAY</u>	<u>ABSTAIN</u>
Steely	✓	—	—
Overy	✓	—	—
Cale	✓	—	—
Carr	✓	—	—
Hann	✓	—	—
Trichler	✓	—	—
Willey	✓	—	—

Adopted by the Economic Development Authority of the City of Williamsburg, Virginia, this 10th day of October, 2017.

Department of  
Fire and Life Safety

Stephen P. Kopczynski  
Fire Chief/Director



Fire and Rescue Operations  
Prevention and Community Safety  
Technical Services and Special Operations  
Emergency Management and Support Services

October 24, 2017

To Whom It May Concern:

On behalf of the York County Department of Fire and Life Safety, I would like to express my support for the prospect of an unmanned systems testing, demonstration, and recreational facility being located in Hampton Roads, and more specifically in York County. We recognize the significant value in the GO Virginia proposal, and our department enthusiastically endorses the benefits of this multifaceted initiative.

As a matter of background, the York County Department of Fire and Life Safety, jointly with the York-Poquoson Sheriff's Office, operates an unmanned systems team known as the Remotely Operated Vehicles for Emergency Response (ROVER) Team. Our ROVER Team provides inherent value to the public safety sector, and has been used almost thirty times since it became operational just eleven months ago. In recent incidents, Governor McAuliffe, Public Safety Secretary Moran and numerous other state officials have witnessed firsthand the capabilities of this well established team. Our ROVER Team program has been recognized as one of the premier public safety response programs of its kind, not only in the Commonwealth of Virginia, but across the nation. Operative members of this team have served as guest speakers for numerous conferences, have been consulted by public safety organizations from across the United States, have worked with leadership of the Federal Aviation Administration regarding use of the technology in the public safety field, have been an active participant and member of the National Fire Protection Association Standard #2400 for unmanned aircraft systems, and also are one of the vice chairs for the National Council on Public Safety UAS. We work hard to ensure that the York County ROVER Team maintains and provides a significant public safety unmanned systems response cache.

The department recognizes the importance and value of the Go Virginia initiative for a wide variety of stakeholders. We understand the recreational benefit this program will provide to the general public in a designated, controlled and safe area of operation, as well as the benefits to the private sector. It is our belief that the Go Virginia Program will help to facilitate research, test technology, and develop future technology for the business sector. It will give private business the ability to demonstrate unmanned system capabilities and/or train on the use of such systems. Potentially, federal agencies would recognize huge value in having such a prem-

October 24, 2017

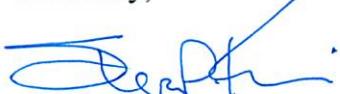
Page 2

ier site for its own testing or training. In regards to the public safety sector, our department feels that the proposed facility will enable us to further refine the unmanned system capabilities, as well as provide an excellent controlled area for training personnel. Additionally, we see enormous value in the synergy that would exist between each of these stakeholder groups that would exponentially improve the development and use of unmanned systems.

Finally, I believe that the proposed location lends itself to attracting users from not only the Hampton Roads area, but the Richmond Metropolitan area and beyond. Its proximity to Interstate 64, as well as two international airports, makes it easy to travel to and from. Its open air space (for aerial systems), isolated area and unique terrain (for land systems) and immediate proximity to waterways (for water borne vessels/submersibles) make it especially unique.

For all of these reasons, and to keep the Commonwealth of Virginia on the cusp of this continuously fast emerging technology, the York County Department of Fire and Life Safety sees significant value in a facility, as proposed, being supported, funded and located in Hampton Roads. Therefore, we respectfully request your favorable consideration.

Sincerely,



Stephen P. Kopczynski  
Fire Chief/Director

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# **Attachment 10.7**

## **DEQ Letter: Environmental Review**

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Hampton Roads Planning District Commission  
October 31, 2017

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## COMMONWEALTH of VIRGINIA

### DEPARTMENT OF ENVIRONMENTAL QUALITY

Street address: 629 East Main Street, Richmond, Virginia 23219

Molly Joseph Ward  
Secretary of Natural Resources

Mailing address: P.O. Box 1105, Richmond, Virginia 23218  
[www.deq.virginia.gov](http://www.deq.virginia.gov)

David K. Paylor  
Director

(804) 698-4000  
1-800-592-5482

October 24, 2017

James W. Noel, Jr.  
Director  
York County Office of Economic Development  
224 Ballard Street  
York, Virginia 23690

### VIA ELECTRONIC MAIL

**Re: GO Virginia Proposal, Hampton Roads Unmanned Systems  
Testing, Demonstration, & Recreational Facility**  
Former Yorktown Emergency Fuel Storage Facility

Dear Mr. Noel,

The Department of Environmental Quality (DEQ), Office of Remediation Programs (Department) received the GO Virginia Proposal and accompanying figure via email on October 23, 2017, which states that it plans to acquire and utilize the former Yorktown Emergency Fuel Storage Facility property located in York County, Virginia. Based on review of the proposal, the Department concludes that use of the property as an unmanned systems testing, demonstration, and recreational facility including light industrial flex office space is acceptable and consistent with DEQ's and EPA's land reuse and redevelopment priorities. The following information is provided in support of the proposal.

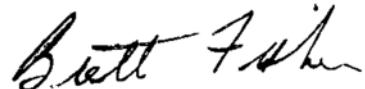
In summary, the property is comprised of several parcels totaling 462 acres. Approximately 370 acres located northwest were used for past operations as an emergency fuel storage facility. The remaining portions of the property to the south and east were not used for operational purposes. Based on this, EPA's final remedy in accordance with the Corrective Action Program required implementation of institutional and engineering controls (ICs/ECs) including periodic inspection and monitoring within the areas northwest at which operations took place. In addition, the final remedy did not address the parcels located to the south and east since no further actions were required. Subsequently, a Corrective Action Plan (CAP) containing details for ICs/ECs, inspections, and monitoring was developed specifically for the northwestern portion of the property.

The proposal indicates that the “Fly Zone” area is designated within the former operational area where the CAP is applicable. As the property owner and manager, the VA Department of Emergency Management in coordination with the Department of General Services is currently completing a fencing project to secure access to the “Fly Zone” area and develop an environmental covenant containing land use limitations that satisfy CAP requirements. Considering this, the Department concurs that the proposed “Fly Zone” is an acceptable reuse of this area since the intended nature of the proposed use and CAP requirements do not impose upon each other.

In addition, the proposal indicates that areas designated as “Land Bays I, II, and III and Phase 2 Development” are within the southern and eastern parcels that required no further action. Therefore, DEQ concurs that no further action is required and that proposed reuse as light industrial flex office space is acceptable.

Please feel free to contact me at (804) 698-4219 or by email at [brett.fisher@deq.virginia.gov](mailto:brett.fisher@deq.virginia.gov) if you have any questions or concerns.

Sincerely,



Brett Fisher, P.G.  
Team Leader, RCRA Corrective Action  
Office of Remediation Programs

cc: Mike Cramer – EPA Region 3  
Tom Jordan – VDEM  
Holly Eve, Hugh Hubinger - DGS

# **Attachment 10.8**

## **Site Development/Cost Estimates**

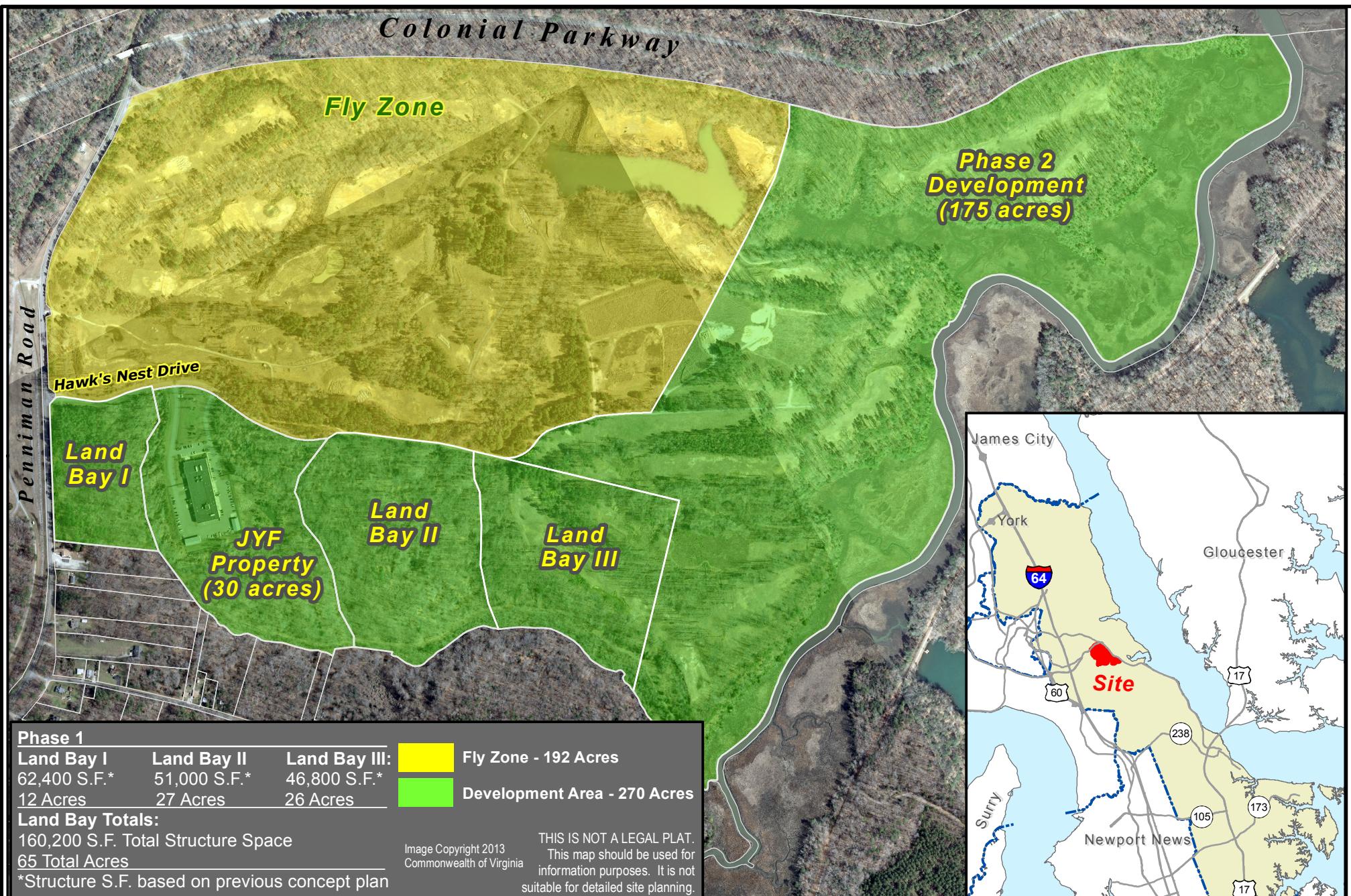
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Hampton Roads Planning District Commission  
October 31, 2017

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# Colonial Parkway

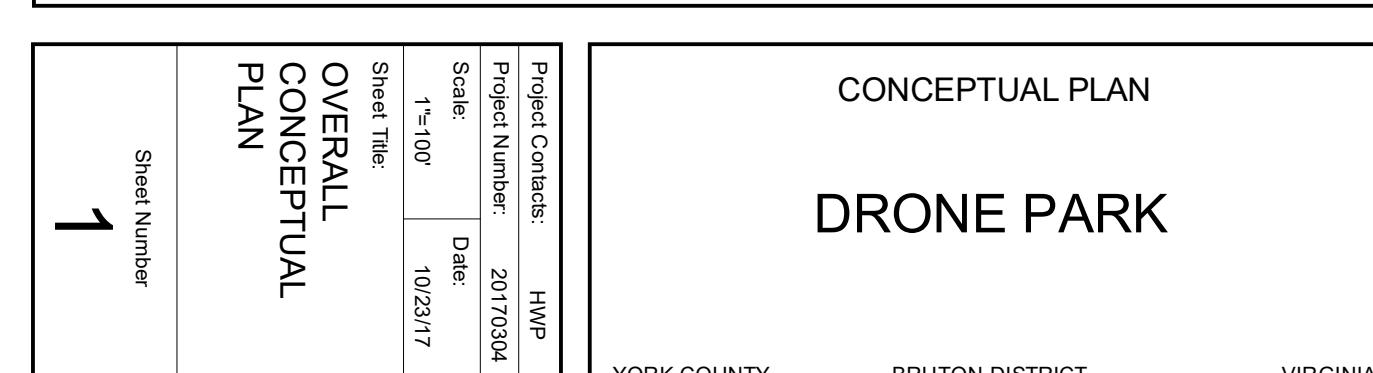
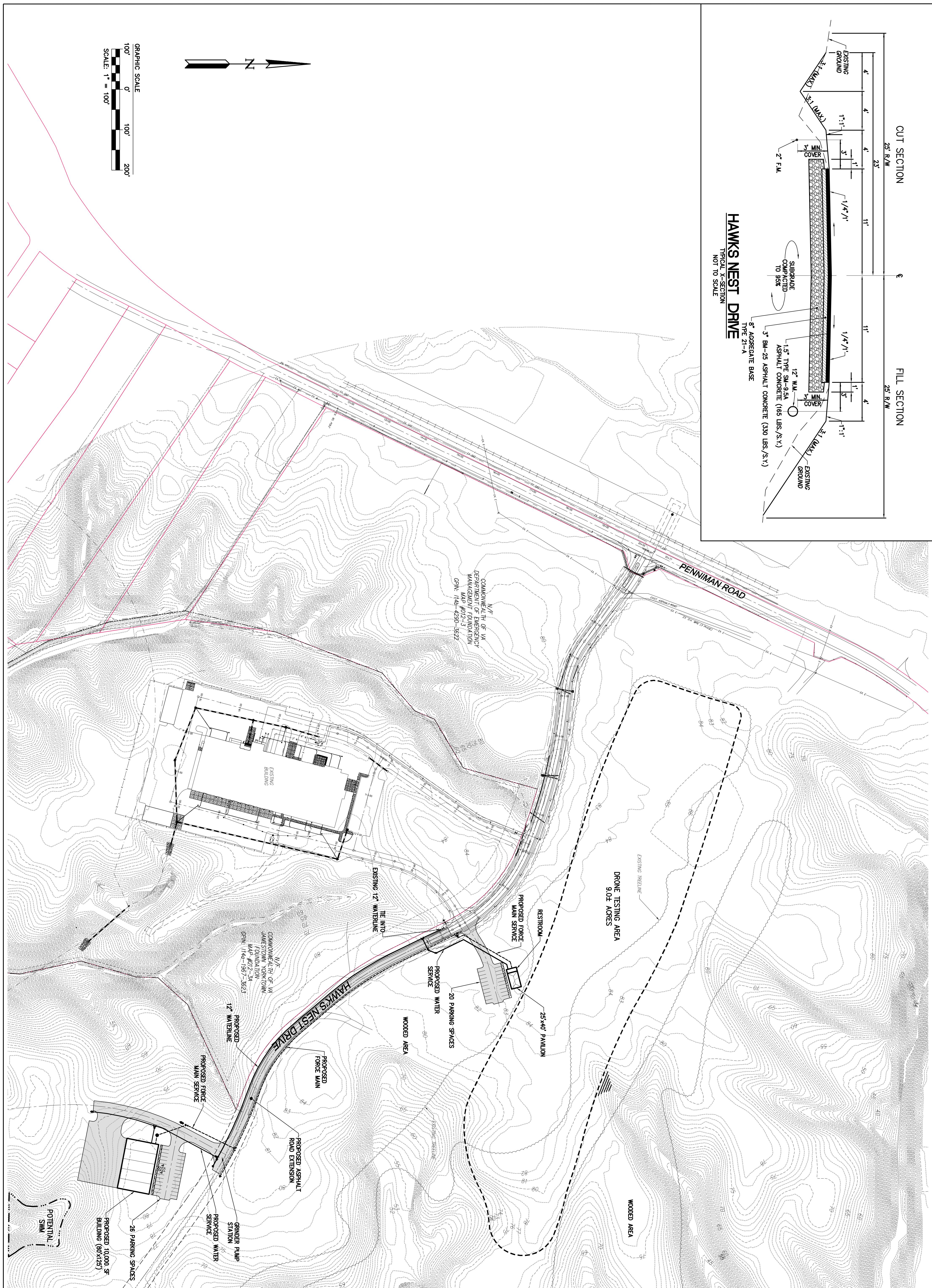


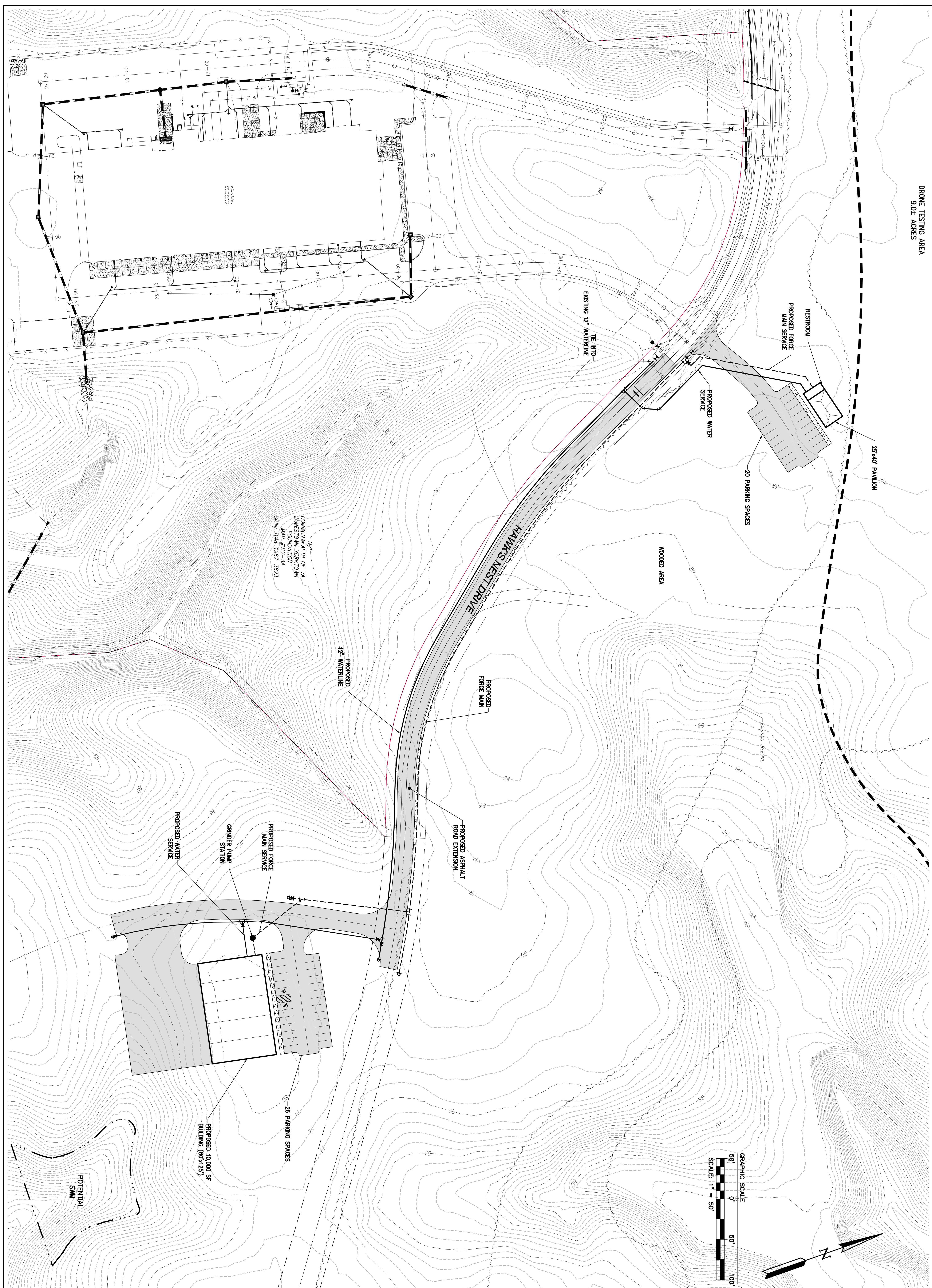
GEOGRAPHIC INFORMATION SYSTEMS  
 Department of Information Technology  
[WWW.YORKCOUNTY.GOV](http://WWW.YORKCOUNTY.GOV)

Unmanned Systems Testing and Demonstration Site  
 Go Virginia,  
 Region 5 Proposal

0 250 500 1,000  
 Feet







CONCEPTUAL PLAN  
DRONE PARK

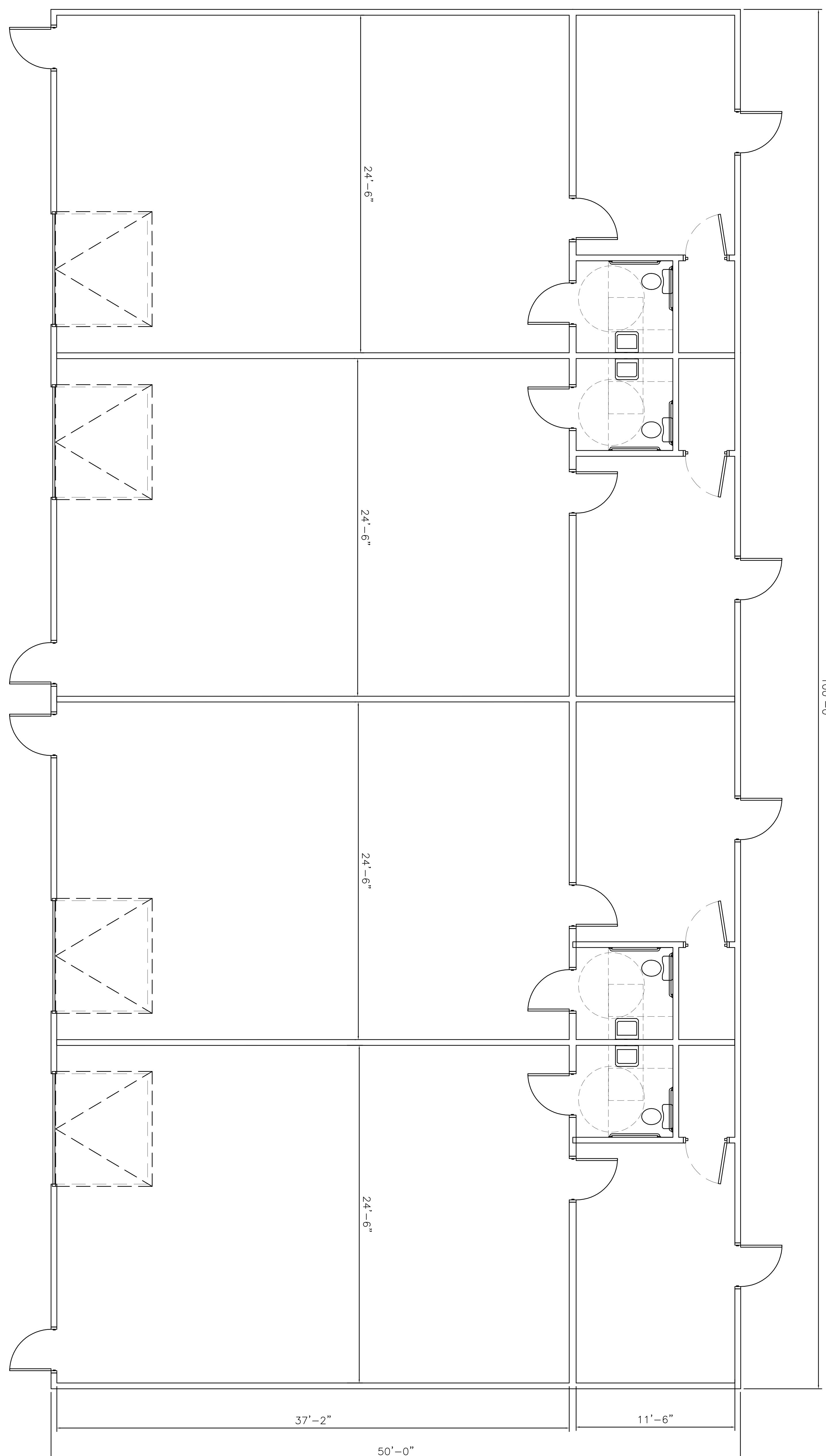
YORK COUNTY BRUTON DISTRICT VIRGINIA

**AES**  
CONSULTING ENGINEERS  
Hampton Roads | Central Virginia | Middle Peninsula

Rev.	Date	Description	Revised By

**FLOOR PLAN**

SCALE: 1/4"=1'-0"



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ARE THE PROPERTY OF SPAIN  
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Drawing By:  
Deborah S. Gardner  
Designer  
Spain Commercial Inc  
322 Freedom Blvd  
Yorktown, VA 23692  
757-872-8606

**SPAIN PROPERTIES, LLC**  
**FLEX BUILDING**

**Spain**  
COMMERCIAL  
INC.

322 FREEDOM BLVD  
YORKTOWN, VIRGINIA  
757-872-8606 telephone  
757-872-8706 fax

Date: 10/25/2017  
Drawn: DSG  
Scale: As Noted  
Project: A/01  
of 1 Sheets



322 FREEDOM BLVD.  
YORKTOWN, VA 23692  
(757) 872-8606 FAX (757) 872-8706  
[SCI@SPAIN-COMMERCIAL.COM](mailto:SCI@SPAIN-COMMERCIAL.COM)

October 25, 2017

Attention: Mr. Jim Noel

Re: Hampton Roads Unmanned Systems – “Budget Estimate”

Dear Mr. Noel:

As requested, the following is our estimate for the above referenced project. We will furnish all labor and materials necessary to complete the following at the price of \$922,500.00:

- **Construction of a 10,000 sq ft metal building to include:**
  - 1.) Engineered drawings
  - 2.) Foundation/ footings
  - 3.) Concrete slab
  - 4.) Metal building structure (20' eve height)
  - 5.) EIF's fascia front
  - 6.) 4 – storefront entry doors
  - 7.) 4 – roll-up garage doors
  - 8.) 4 – rear entry doors
  - 9.) 3 – fire separation walls
  - 10.) Each suite shall have:
    - a. ADA restrooms/ janitor closet / ADA water cooler
    - b. Electrical services
    - c. HVAC units
    - d. Fire suppression system
- **Pavilion 25' X 50' with (2) two ADA restrooms - \$125,000.00**

**EXCLUSIONS:**

- 1.) Site work
- 2.) Tap fees

If you agree to the above proposed work and terms, please sign and return to us. Quotes are honored for a period of 90 days. All changes to the above proposal shall be submitted in written form and signed. Changes are subject to additional charges and time to complete job.

If any additional information is necessary, please do not hesitate to call.

Respectfully,

**SPAIN COMMERCIAL, INC.**

Steven R. Spain  
President

**ACCEPTED:**

Printed Name	Signature	Date
Title	P.O. Number	

October 27, 2017

Mr. Jim Noel  
Director of Economic Development  
225 Ballard Street  
P.O. Box 612  
Yorktown, VA 23690

Re: Drone Park

Dear Jim:

The following is our BUDGET proposal for site work on the referenced project.

**PLANS:** Entitled, "Drone Park"; Prepared by AES; Consisting of Sheet 1 of 1;  
Dated October 23, 2017.

**SCOPE OF WORK INCLUDED IN THE PROPOSAL:**

- ◆ **Clearing & Erosion Control** – Clear & Grind; Saw Cut and Demo Asphalt; Install Silt Fence; Inlet Protection; Rip Rap; Diversion Dikes; Construction Entrance; Fine Grade and Seed; Maintain and Remove Erosion Control. Clear and Grind; Finegrade and Seed Par 5 Golf Hole for Test Flight Area
- ◆ **Earthwork** – Strip, Stockpile, and Re-spread Topsoil; Excavation and Fills; Import Select Material Necessary for Building Pad Fill; All Excess Material to Remain Onsite
- ◆ **Storm Drain** – Necessary Storm Drainage System with SWM.
- ◆ **Sanitary Sewer** – 4" PVC Force Main; Grinder Pump Station Sized to Accommodate Proposed Buildings Shown; Lateral to Building 2 and FM Service to Building 1; Clean Out Assemblies; Testing; Tie-in to Existing.
- ◆ **Water Distribution** – 12" Waterline and Services to Buildings; No Fire Protection.

- ◆ **Site Concrete** – 4" Sidewalk; CG-12 Handicap Ramps; 6" of #21 Stone Under Curb
- ◆ **Base and Paving** –  
Hawks Nest Pavement – 8" Stone Base; 3" BM-25; 1-1/2" SM-9.5A  
Parking Lot Pavement – 8" Stone Base; 2" SM-9.5A; Painted Lines, Signs, and Wheel Stops
- ◆ **Miscellaneous** – Mobilization; Field Stakeout; Traffic Control

**LUMP SUM PRICE: \$ 1,350,000**

#### **EXCLUDED FROM THE PROPOSAL:**

- 1) Bonds, permits, agreements, easements, and fees paid to any agency.
- 2) Soils engineering and testing.
- 3) Certified as-builts and construction certifications.
- 4) SWPPP and VSMP permits, fees, monitoring, and inspections.
- 5) Subgrade stabilization treatment and aerification.
- 6) Remove, relocate, clean or adjust existing utilities or any well closures.
- 7) Removal, handling or disposal of buried debris or hazardous materials.
- 8) Landscaping, irrigation / backflow preventers, sod, lawn grown-in, mowing, and maintenance.
- 9) Import select borrow backfill in utility trenches out of existing pavement.
- 10) Site lighting and conduits, or removal of existing light poles / bases.
- 11) Water meters, detector checks or backflow preventers.
- 12) Curb or Curb and Gutter

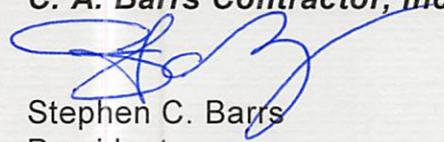
#### **CONDITIONS TO THE PROPOSAL:**

- 1) On-site material figured suitable for all fills and backfills without modification. Onsite topsoil figured suitable for re-spread.
- 2) Building pad figured to 8" below finished floor. Porous fill, vapor barrier, footing excavation or haul-off is excluded.
- 3) Site concrete to have exposed aggregate finish.
- 4) Proposal is for budget purposes only and will change once approved site plans are available.

We appreciate the opportunity to submit this proposal. If you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,

*C. A. Barrs Contractor, Inc.*



Stephen C. Barrs  
President

# **Attachment 10.9**

## **Chronology of HRPDC Discussion of**

## **GO Virginia Program**

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Hampton Roads Planning District Commission  
October 31, 2017

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### HRPDC Timeline on the GO Virginia Program

<i>Date</i>	<i>Action</i>
October 2015	Mr. John "Dubby" Wynne briefs the HRPDC on the GO Virginia initiative.
January 2016	Mr. Jim Spore briefs the HRPDC on economic challenges facing Hampton Roads and opportunities for regional collaboration with ReInvent Hampton Roads and the GO Virginia Program.
June 2016	The HRPDC CAO Committee is briefed on the City of Virginia Beach Broadband Initiative. The CAOs direct their Chief Information Officers (CIOs) to investigate opportunities for regional collaboration on broadband and the potential for GO Virginia funding.
February 2017	The HRPDC CAO Committee is updated by their CIOs on the status of a regional broadband initiative.
April 2017	The HRPDC CAO Committee is updated on the status of a regional broadband initiative and the GO Virginia Program.
July 2017	Mr. Jim Spore and Dr. Larry Filer update the HRPDC on the GO Virginia Program and the Economic Growth and Diversification Plan. The Commissioners provide input on the plan via survey.
August 2017	The HRPDC CAO Committee is updated by their CIOs on the status of a regional broadband initiative.
September 2017	The HRPDC CAO Committee endorses two regional projects for GO Virginia program funds: the Hampton Roads Regional Broadband Strategy and the Hampton Roads Unmanned Systems Facility.
September 2017	The HRPDC endorses the same two regional projects for application to the GO Virginia program for grant funds: the Hampton Roads Regional Broadband Strategy and the Hampton Roads Unmanned Systems Facility.
October 2017	The HRPDC CAO committee is updated on the GO Virginia grant applications process and on a potential grant application by ODU.

# **Attachment 10.10**

## **Email from**

# **Yorktown Naval Weapons Station**

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Hampton Roads Planning District Commission  
October 31, 2017

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 Email

**From:** Robins, Herbert D CIV NAVFAC MIDLANT, PWD  
Yorktown  
**To:** Noel, James, Jr.  
**CC:** Haebler, Paul C CAPT Commanding Officer, N00  
**Subject:** UAV

Sent:4/26/2016 2:06:30 PM



Attachments may contain viruses that are harmful to your computer. Attachments may not display correctly.

 smime.p7m (8Kb)

Message

Jim,

WPNSTA does not have issues with UAV flights on the former Fuel Farm owned by the Commonwealth. We do ask that your user respect the navy property lines and refrain from photographing navy property. I am looking forward to talking with the folks from Avid.

Thanks again for running this by us,

Drew

H. A. Drew Robins, P. E.  
Community Plans and Liaison Officer  
WPNSTA Yorktown