Schedule of Fees

Task	Fee
A. Perform radio asset inventory, needs assessment, and project expected growth.	$295,266
B. Document existing radio frequency authorizations. Devise a frequency reuse strategy. Determine the capacity of the channels. Obtain additional channels if required. Ensure non-interference. Develop a channel plan.	$474,143
C. Evaluate and document the State Police combined radio infrastructure.	$744,849
D. Perform microwave and LMR technologies assessment.	$564,943
E. Design and document the facility upgrade for the network. Design and document the new facility for the network. Transfer operations to the new facility.	$20,684
F. Prepare a migration plan.	$302,523
G. Design an upgrade to the existing VSP LMR and microwave networks. Document the designed coverage of the network. Add any new LMR or microwave sites that are required. Create the required technical procurement documentation. Perform coverage testing on the completed network.	$5,915,223
H. Design a network interface. Create a network interface specification.	$61,752
I. Perform a tower structure analysis. Generate the tower technical procurement, FAA and FCC documentation.	$4,657,062
J. Integrate existing mobile data equipment into the upgraded radio network. Integrate mobile data infrastructure into the State Police data infrastructure. Plan for the removal of the wireless modems from the patrol vehicles. Coordinate the mobile data transmissions using the upgraded radios. Verify converted systems effective operation. Update the technical mobile data procurement documentation. Prepare documentation to obtain and install 1000 MCTs. Inventory, oversee the MCT installation into the VSP patrol vehicles. Verify the testing of the additional 1000 mobile computer terminals. Develop an inter/intra agency data intranet using the microwave network.	$898,929
K. Perform acceptance testing on all deliverables. Create and implement inventory control and configuration management. Program the new equipment with the channel plan and/or talk groups. Implement the new channel plan. Provide operator train-the-trainer training. Ensure RF safety compliance. Edit the RF radiation Compliance Plan.	$2,653,482
L. Maintain the project schedule and budget. Submit monthly reports and attend	$2,123,741

monthly meetings.	
M. Document the as-built design, infrastructure, network, systems, subsystems, software, firmware, and equipment.	$404,390
Q. Provide temporary/permanent offices in the Richmond area.	$833,209
R. Vendor/Commonwealth Interface	$117,165
GRAND TOTAL FOR ALL WORK	$20,067,361
K. Project Specific Insurance	$295,000
P. Costs to interview FLEWUG, and create shared network operations, if proposed.	$109,207
Modification # 2 fees: Conceptual work plan, modification of contract test and contract costing.	$58,551
Modification #3 fees: (Below lists the addition or subtractions of fees by task.)	
Task A	$0.00
Task B	$0.00
Task C	$3,743.00
Task D	-$81,511.00
Task E	$636,739.00
Task F	$46,017.00
Task G	$296,255.00
Task H	$7,334.00
Task I	-$1,291,127.00
Task J	-$123,546.00
Task K	-$640,871.00
Task L	$656,236.00
Task M	$0.00
Task N	$0.00
Task O	$0.00
Task P	$0.00
Task Q	$0.00
Task R	$0.00
Modification #4 fees: (Below lists the addition or subtractions of fees by task.)	
Task A	$0.00
Task B	$0.00
Task C	$0.00
Task D	-$84,746.00
Task E	$31,813.00
Task F	$0.00
Task G	$236,116.00
Task H	$0.00
Task I	$23,897.00
Task J	$0.00

Task K	$0.00
Task L	$312,132.00
Task M	$0.00
Task N	$0.00
Task O	$0.00
Task P	$0.00
Task Q	-$587,894.00
Task R	$0.00
Modification #5 fees: (Below lists the addition or subtractions of fees by task.)	
Task A	$0.00
Task B	-$49,820.00
Task C	$0.00
Task D	$0.00
Task E	-$156,503.00
Task F	-$286,292.00
Task G	-$4,170,953.00
Task H	$0.00
Task I	-$2,529,630.00
Task J	-$416,522.00
Task K	-$2,084,963.00
Task L	-$1,958,430.00
Task M	-$353,301.00
Task N	$0.00
Task O	$0.00
Task P	-$109,207.00
Task Q	$0.00
Task R	-$65,092.00
Task 1 Project Management	$2,854,335.00
Task 2 Implementation Support	$6,181,071.00
Task 3 Acceptance	$2,190,142.00
Task 4 Network Operations Center & VSP Communications Center Div 6	$955,165.00
Modification #6 fees: (Below lists the addition or subtractions of fees by task.)	
Task A	$0.00
Task B	-$49,820.00
Task C	$0.00
Task D	$0.00
Task E	-$156,503.00
Task F	-$286,292.00
Task G	-$4,170,953.00
Task H	$0.00
Task I	-$2,529,630.00
Task J	-$416,522.00
Task K	-$2,084,963.00
Task L	-$1,958,430.00
Task M	-$353,301.00
Task N	$0.00

Task O	$0.00
Task P	-$109,207.00
Task Q	$0.00
Task R	-$65,092.00
Task 1 Project Management	$2,473,672.00
Task 2 Implementation Support	$6,181,071.00
Task 3 Acceptance	$2,190,142.00
Task 4 Network Operations Center & VSP Communications Center Div 6	$1,335,828.00

Revised Contract Grand Total: **$19,970,706**
(0.0% change)

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Virginia Public Safety Land Mobile Radio Network
Design, Implementation, and Quality Control Consultant

July 1, 2007

HSMM SCHEDULE OF RATES

Project Manager	
Communications	$181.14
Architecture/Engineering	$169.03
Senior Level	
Communications Engineer	$164.60
Architect	$120.33
Engineer	$129.03
Staff Level	
Communications Engineer	$123.47
Architect	$101.21
Engineer	$104.06
Field Engineer	$118.56
Support	
Technician	$103.74
Technical Writer	$68.66
Draftsperson/CAD	$90.09
Cost Estimator	$104.06
Clerical	$55.83
Services	
Coverage Analyses, each site (includes labor)	$733.12
Simulcast Analysis, each cell (includes labor)	$769.04

Notes:

1. Rates are for Fiscal Year 2008.

2. For work done after July 1, 2008, rates will escalate based on the IEEE-USA Salary Survey applicable to the most recent year surveyed. The 10 year average 1989-1999 was 4.9%.

3. Expenses will be billed at cost and travel will be billed in compliance with the VA travel code.