Figure 2
Newport News Proposed ITS Device Locations

Legend
- Existing Master Controller
- Flasher
- Existing Signal - Mast Arm
- Existing Signal - Span Wire
- Future Signal

Intermediate Diversion Plan (IDP) Affected Areas
Newport News IDP Routes

Proposed Newport News ITS Devices
- Camera
- Overhead Vehicle Detector and Warning Sign
- Portable Dynamic Message Sign
- Flood Monitoring
- Bridge Icing

Existing and Planned VDOT ITS Devices
- Camera
- Amiral Dynamic Message Sign
- System Detector
Figure 13
Newport News Signal System Communication Scenario 1
Transportation Fiber Backbone and Distribution

Legend
- Existing Master Controller
- Flasher
- Existing Signal - Mast Arm
- Existing Signal - Spur Wire
- Future Signal
- Lane Control Signals

Southeast Community & Downtown
Figure 15
Newport News Signal System
Communication Scenario 3
NNPS/IT Fiber Backbone and
Transportation Fiber Distribution
Figure 16
Newport News Signal System
Communication Scenario 4

NNPS/IT Fiber Backbone and
Minimized Transportation Fiber Distribution

Legend:
- Existing Master Controller
- Flasher
- Existing Signal - Mast Arm
- Existing Signal - Span Wire
- Future Signal
- Lane Control Signals
- Signal Systems

Prepared for: VDOT
Prepared by: [Other Parties]
Under SubContract to: [Other Parties]
FIGURE 7: ETHERNET TO THE FIELD CABINET – FIBER NETWORK ARCHITECTURE
FIGURE 8: FIBER BACKBONE/TWISTED-PAIR DISTRIBUTION
ETHERNET ARCHITECTURE