



Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# State of West Virginia Master Agreement

Order Date: 03-15-2021

CORRECT ORDER NUMBER MUST  
 APPEAR ON ALL PACKAGES, INVOICES,  
 AND SHIPPING PAPERS. QUESTIONS  
 CONCERNING THIS ORDER SHOULD BE  
 DIRECTED TO THE DEPARTMENT  
 CONTACT.

Order Number:	CMA 0212 0212 SWC0000000002 10	Procurement Folder:	198422
Document Name:	DATATRNSP - Data Transport - Multi-Protocol Label Switching	Reason for Modification:	Change Order 9 is issued to add 2Mbps Quality of Service at zero cost. No Other Changes.
Document Description:	Telecommunications Transport - Change Order #9		
Procurement Type:	Central Master Agreement		
Buyer Name:			
Telephone:			
Email:			
Shipping Method:	Best Way	Effective Start Date:	2016-07-01
Free on Board:	FOB Dest, Freight Prepaid	Effective End Date:	2021-06-30

VENDOR		DEPARTMENT CONTACT	
Vendor Customer Code:	000000190764	Requestor Name:	Andrew Lore
VERIZON BUSINESS		Requestor Phone:	(304) 957-8267
ONE VERIZON WAY		Requestor Email:	andrew.c.lore@wv.gov
BASKING RIDGE	NJ 07920		
US			
Vendor Contact Phone:	800-334-7692	Extension:	
<b>Discount Details:</b>			
	Discount Allowed	Discount Percentage	Discount Days
#1	No	0.0000	0
#2	No		
#3	No		
#4	No		

INVOICE TO	SHIP TO
VARIOUS AGENCY LOCATIONS AS INDICATED BY ORDER	STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER
No City WV 99999	No City WV 99999
US	US

**AGENCY COPY**

Total Order Amount:	Open End
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MA 03/15/2021

PURCHASING DIVISION AUTHORIZATION  
 DATE: *Tara Hyle*  
 ELECTRONIC SIGNATURE ON FILE

MAR 16 2021

ATTORNEY GENERAL APPROVAL AS TO FORM  
 DATE: *Q. & J. Green*  
 ELECTRONIC SIGNATURE ON FILE

3/18/2021

ENCUMBRANCE CERTIFICATION  
 DATE: *Beverly Tolson*  
 ELECTRONIC SIGNATURE ON FILE

MAR 24 2021

**Extended Description:**

CO #9: STATEWIDE CONTRACT - DATA TRANSPORT - CONTRACT RENEWAL

Change Order #9 is issued for the following:

1. To add a 2Mbps Gold Car/Quality of Service speed to the contract at zero cost per the attached documents.
2. Publish the revised pricing pages to include the 2Mbps service at No Charge.

All provisions of the original Contract and subsequent Change Orders not modified herein shall remain in full force and effect.

No other changes.

Line	Commodity Code	Manufacturer	Model No	Unit	Unit Price
1	81161700			EA	0.000000
	Service From	Service To			

**Commodity Line Description:** Telecommunications Data Transport Services

**Extended Description:**

Telecommunications Data Transport Services



March 5, 2021

Office of Technology  
Attn: Justin McAllister  
1900 Kanawha Blvd E  
Charleston, WV 25305

RE: Telecommunications Transport Master Agreement

Dear Mr. McAllister:

Verizon would like to request a 2Mbps QOS/COS/EF Real Time/Gold Car option to the Telecommunications Transport contract. This option is necessary to support 'Expedited Forwarding (EF)' which is a class of service dedicated to real-time applications across a data network. Traffic marked as EF has the highest traffic priority throughout the network to ensure quality of service. While other speed options are already included in the contract, the 2Mbps option is specifically needed for the State of WV's 3Mbps sites carrying real-time/delay sensitive traffic. From a design perspective, for sites with primarily delay-sensitive traffic, the Gold Car/QOS speed cannot exceed 90% of the port and access speed, and the only lower speed already included in the contract is 0Mbps which is used for sites without the need for QOS.

Like all other Gold Car/QOS speeds in the contract, there is no monthly or one time charge for the 2Mbps option.

Verizon commits to provide the best services at the lowest rates possible. I look forward to continuing our business relationship and building an even stronger partnership with the State of West Virginia.

Sincerely,

*Sandra Hawkins*

Sandra Hawkins  
**Senior Account Manager**  
**Authorized Contact**  
Verizon  
304-807-0207  
[sandra.k.hawkins@verizon.com](mailto:sandra.k.hawkins@verizon.com)

State of WV - SWC000000002  
Telecommunications Transport Contract  
Central Master Agreement  
Attachment C: COST SHEET  
CHANGE ORDER #9

Description of Service	Billing Description	Monthly Recurring Cost (MRC)	Non-Recurring Cost (NRC)
<b>Priced as Ethernet Access (EA) to MPLS replacing Private Line (Type 3 and 4)</b>			
Private Line DS0 (Priced as 1Mbps EA to MPLS - Port Required)	Local Loop DS0	\$364.00	\$0.00
Private Line DS1 (Priced as 3Mbps EA to MPLS - Port Required)	Local Loop DS1	\$321.00	\$0.00
Private Line DS3 (Priced as 50Mbps EA to MPLS - Port Required)	Local Loop DS3	\$770.00	\$0.00
<b>Priced as Ethernet Access (EA) to MPLS replacing Switched Ethernet (Type 3 and 4)</b>			
Switched Ethernet 1Mbps (Priced as EA to MPLS - Port Required)	Local Loop 1Mbps	\$364.00	\$0.00
Switched Ethernet 3Mbps (Priced as EA to MPLS - Port Required)	Local Loop 3Mbps	\$321.00	\$0.00
Switched Ethernet 5Mbps (Priced as EA to MPLS - Port Required)	Local Loop 5Mbps	\$353.00	\$0.00
Switched Ethernet 10Mbps (Priced as EA to MPLS - Port Required)	Local Loop 10Mbps	\$401.00	\$0.00
Switched Ethernet 20Mbps (Priced as EA to MPLS - Port Required)	Local Loop 20Mbps	\$511.00	\$0.00
Switched Ethernet 25Mbps (Priced as EA to MPLS - Port Required)	Local Loop 25Mbps	\$770.00	\$0.00
Switched Ethernet 50Mbps (Priced as EA to MPLS - Port Required)	Local Loop 50Mbps	\$770.00	\$0.00
Switched Ethernet 75Mbps (Priced as EA to MPLS - Port Required)	Local Loop 75Mbps	\$888.00	\$0.00
Switched Ethernet 100Mbps (Priced as EA to MPLS - Port Required)	Local Loop 100Mbps	\$888.00	\$0.00
Switched Ethernet 150Mbps (Priced as EA to MPLS - Port Required)	Local Loop 150Mbps	\$1,015.00	\$0.00
Switched Ethernet 200Mbps (Priced as EA to MPLS - Port Required)	Local Loop 200Mbps	\$1,015.00	\$0.00
Switched Ethernet 250Mbps (Priced as EA to MPLS - Port Required)	Local Loop 250Mbps	\$1,048.00	\$0.00
Switched Ethernet 300Mbps (Priced as EA to MPLS - Port Required)	Local Loop 300Mbps	\$1,048.00	\$0.00
Switched Ethernet 350Mbps (Priced as EA to MPLS - Port Required)	Local Loop 350Mbps	\$1,099.00	\$0.00
Switched Ethernet 450Mbps (Priced as EA to MPLS - Port Required)	Local Loop 450Mbps	\$1,142.00	\$0.00
Switched Ethernet 500Mbps (Priced as EA to MPLS - Port Required)	Local Loop 500Mbps	\$1,142.00	\$0.00
Switched Ethernet 1Gbps (Priced as EA to MPLS - Port Required)	Local Loop 1Gbps	\$1,267.00	\$0.00
Switched Ethernet 2Gbps (Priced as EA to MPLS - Port Required)	Local Loop 2Gbps	\$1,850.00	\$0.00
Switched Ethernet 3Gbps (Priced as EA to MPLS - Port Required)	Local Loop Gbps	\$2,183.00	\$0.00
Switched Ethernet 4Gbps (Priced as EA to MPLS - Port Required)	Local Loop 4Gbps	\$2,570.00	\$0.00
Switched Ethernet 5Gbps (Priced as EA to MPLS - Port Required)	Local Loop 5Gbps	\$3,022.00	\$0.00
Switched Ethernet 6Gbps (Priced as EA to MPLS - Port Required)	Local Loop 6Gbps	\$3,550.00	\$0.00
Switched Ethernet 7Gbps (Priced as EA to MPLS - Port Required)	Local Loop 7Gbps	\$4,168.00	\$0.00
Switched Ethernet 8Gbps (Priced as EA to MPLS - Port Required)	Local Loop 8Gbps	\$4,892.00	\$0.00
Switched Ethernet 9Gbps (Priced as EA to MPLS - Port Required)	Local Loop 9Gbps	\$5,740.00	\$0.00
Switched Ethernet 10Gbps (Priced as EA to MPLS - Port Required)	Local Loop 10Gbps	\$6,736.00	\$0.00
<b>Priced as Ethernet Access (EA) to MPLS replacing Frame Relay (Type 3 and 4)</b>			
Frame Relay 64K (Priced as 1Mbps EA to MPLS - Port Required)	Local Loop 64K 1Mbps	\$364.00	\$0.00
Frame Relay 256K (Priced as 1Mbps EA to MPLS - Port Required)	Local Loop 256K 1Mbps	\$364.00	\$0.00
Frame Relay 512K (Priced as 1Mbps EA to MPLS - Port Required)	Local Loop 512K 1Mbps	\$364.00	\$0.00
Frame Relay T1 (Priced as 3Mbps EA to MPLS - Port Required)	Local Loop T-1 1Mbps	\$321.00	\$0.00
Multilink Bonded T1s (2) (Priced as 3Mbps EA to MPLS - Port Required)	Local Loop T-1 (2) 3Mbps	\$321.00	\$0.00
Multilink Bonded T1s (3) (Priced as 5Mbps EA to MPLS - Port Required)	Local Loop T-1 (3) 5Mbps	\$353.00	\$0.00
Multilink Bonded T1s (4) (Priced as 10Mbps EA to MPLS - Port Required)	Local Loop T-1 (4) 10Mbps	\$401.00	\$0.00
Multilink Bonded T1s (5) (Priced as 10Mbps EA to MPLS - Port Required)	Local Loop T-1 (5) 10Mbps	\$401.00	\$0.00
Multilink Bonded T1s (6) (Priced as 10Mbps EA to MPLS - Port Required)	Local Loop T-1 (6) 10Mbps	\$401.00	\$0.00
Frame Relay 3Mbps (Priced as 3Mbps EA to MPLS - Port Required)	Local Loop 3Mbps 3Mbps	\$321.00	\$0.00
Frame Relay 6Mbps (Priced as 10Mbps EA to MPLS - Port Required)	Local Loop 6Mbps 10Mbps	\$401.00	\$0.00
Frame Relay 9Mbps (Priced as 10Mbps EA to MPLS - Port Required)	Local Loop 9Mbps 10Mbps	\$401.00	\$0.00
Frame Relay DS0 (Priced as 1Mbps EA to MPLS - Port Required)	Local Loop DS0 1Mbps	\$364.00	\$0.00
Frame Relay DS1 (Priced as 3Mbps EA to MPLS - Port Required)	Local Loop DS1 3Mbps	\$321.00	\$0.00
Fractional Frame Relay DS1 (Priced as 3Mbps EA to MPLS - Port Required)	Local Loop DS1 3Mbps	\$321.00	\$0.00
Frame Relay DS3 (Priced as 50Mbps EA to MPLS - Port Required)	Local Loop DS3 50Mbps	\$770.00	\$0.00
Fractional Frame Relay DS3 (Priced as 50Mbps EA to MPLS - Port Required)	Local Loop DS3 50Mbps	\$770.00	\$0.00
<b>Priced as Ethernet Access (EA) to MPLS replacing ATM (Type 3 and 4)</b>			
ATM T1 (Priced as 3Mbps EA to MPLS - Port Required)	Local Loop T-1 3Mbps	\$321.00	\$0.00
ATM 3Mbps (Priced as 3Mbps EA to MPLS - Port Required)	Local Loop 3Mbps 3Mbps	\$321.00	\$0.00
ATM 6Mbps (Priced as 10Mbps EA to MPLS - Port Required)	Local Loop 6Mbps 10Mbps	\$401.00	\$0.00
ATM 9Mbps (Priced as 10Mbps EA to MPLS - Port Required)	Local Loop 9Mbps 10Mbps	\$401.00	\$0.00
ATM 12Mbps (Priced as 20Mbps EA to MPLS - Port Required)	Local Loop 12Mbps 12Mbps	\$511.00	\$0.00
ATM DS1 (Priced as 3Mbps EA to MPLS - Port Required)	Local Loop DS1 3Mbps	\$321.00	\$0.00
ATM DS3 (Priced as 50Mbps EA to MPLS - Port Required)	Local Loop DS3 50Mbps	\$770.00	\$0.00
ATM Fractional DS3 (Priced as 50Mbps EA to MPLS - Port Required)	Local Loop DS3 50Mbps	\$770.00	\$0.00
ATM OC3 (Priced as 3Mbps EA to MPLS - Port Required)	Local Loop OC3 3Mbps	\$321.00	\$0.00
ATM OC12 (Priced as 450Mbps EA to MPLS - Port Required)	Local Loop OC12 450Mbps	\$1,142.00	\$0.00



**State of WV - SWC000000002**  
**Telecommunications Transport Contract**  
**Central Master Agreement**  
**Attachment C: COST SHEET**  
**CHANGE ORDER #9**

ATM OC48 (Priced as 3000Mbps EA to MPLS - Port Required)	Local Loop OC48 3000Mbps	\$2,183.00	\$0.00
<b>Ethernet Access (EA) to MPLS (Type 3 and 4)</b>			
MPLS P2P T1 (Priced as 3Mbps EA to MPLS - Port Required)	Local Loop T-1 3Mbps	\$321.00	\$0.00
MPLS P2P DS3 (Priced as 50Mbps EA to MPLS - Port Required)	Local Loop DS3 50Mbps	\$770.00	\$0.00
MPLS Frame Relay 64K (Priced as 1Mbps EA to MPLS - Port Required)	Local Loop 64K 1Mbps	\$364.00	\$0.00
MPLS Frame Relay T1 (Priced as 1.55Mbps T-1 to MPLS - Port Required)	Local Loop T1	\$433.00	\$0.00
MPLS Frame Relay DS3 (Priced as 50Mbps EA to MPLS - Port Required)	Local Loop DS3 50Mbps	\$770.00	\$0.00
MPLS ATM T1 (Priced as 3Mbps EA to MPLS - Port Required)	Local Loop T-1 3Mbps	\$321.00	\$0.00
MPLS ATM 3Mbps (Priced as 3Mbps EA to MPLS - Port Required)	Local Loop 3Mbps 3Mbps	\$321.00	\$0.00
MPLS ATM 6Mbps (Priced as 10Mbps EA to MPLS - Port Required)	Local Loop 6Mbps 10Mbps	\$401.00	\$0.00
MPLS ATM 9Mbps (Priced as 10Mbps EA to MPLS - Port Required)	Local Loop 9Mbps 10Mbps	\$401.00	\$0.00
MPLS ATM 12Mbps (Priced as 20Mbps EA to MPLS - Port Required)	Local Loop 12Mbps 12Mbps	\$511.00	\$0.00
MPLS ATM DS3 (Priced as 50Mbps EA to MPLS - Port Required)	Local Loop DS3 50Mbps	\$770.00	\$0.00
MPLS ATM OC3 (Priced as 3Mbps EA to MPLS - Port Required)	Local Loop OC3 3Mbps	\$321.00	\$0.00
MPLS Ethernet 1Mbps (Port Required)	Local Loop 1Mbps	\$364.00	\$0.00
MPLS Ethernet 3Mbps (Port Required)	Local Loop 3Mbps	\$321.00	\$0.00
MPLS Ethernet 5Mbps (Port Required)	Local Loop 5Mbps	\$353.00	\$0.00
MPLS Ethernet 10Mbps (Port Required)	Local Loop 10Mbps	\$401.00	\$0.00
MPLS Ethernet 20Mbps (Port Required)	Local Loop 20Mbps	\$511.00	\$0.00
MPLS Ethernet 25Mbps (Port Required)	Local Loop 25Mbps	\$770.00	\$0.00
MPLS Ethernet 75Mbps (Port Required)	Local Loop 50Mbps	\$888.00	\$0.00
MPLS Ethernet 100Mbps (Port Required)	Local Loop 75Mbps	\$888.00	\$0.00
MPLS Ethernet 150Mbps (Port Required)	Local Loop 100Mbps	\$1,015.00	\$0.00
MPLS Ethernet 200Mbps (Port Required)	Local Loop 150Mbps	\$1,015.00	\$0.00
MPLS Ethernet 250Mbps (Port Required)	Local Loop 200Mbps	\$1,048.00	\$0.00
MPLS Ethernet 300Mbps (Port Required)	Local Loop 250Mbps	\$1,048.00	\$0.00
MPLS Ethernet 350Mbps (Port Required)	Local Loop 300Mbps	\$1,099.00	\$0.00
MPLS Ethernet 400Mbps (Port Required)	Local Loop 350Mbps	\$1,099.00	\$0.00
MPLS Ethernet 450Mbps (Port Required)	Local Loop 450Mbps	\$1,142.00	\$0.00
MPLS Ethernet 500Mbps (Port Required)	Local Loop 500Mbps	\$1,142.00	\$0.00
MPLS Ethernet 1Gbps (Port Required)	Local Loop 1Gbps	\$1,267.00	\$0.00
MPLS Ethernet 2Gbps (Port Required)	Local Loop 2Gbps	\$1,850.00	\$0.00
MPLS Ethernet 3Gbps (Port Required)	Local Loop Gbps	\$2,183.00	\$0.00
MPLS Ethernet 4Gbps (Port Required)	Local Loop 4Gbps	\$2,570.00	\$0.00
MPLS Ethernet 5Gbps (Port Required)	Local Loop 5Gbps	\$3,022.00	\$0.00
MPLS Ethernet 6Gbps (Port Required)	Local Loop 6Gbps	\$3,550.00	\$0.00
MPLS Ethernet 7Gbps (Port Required)	Local Loop 7Gbps	\$4,168.00	\$0.00
MPLS Ethernet 8Gbps (Port Required)	Local Loop 8Gbps	\$4,892.00	\$0.00
MPLS Ethernet 9Gbps (Port Required)	Local Loop 9Gbps	\$5,740.00	\$0.00
MPLS Ethernet 10Gbps (Port Required)	Local Loop 10Gbps	\$6,736.00	\$0.00
PIP Dedicated Standard Port - QOS/COS can be included here or indicated in the next section.			
Ethernet 1 Mbps	Port Recurring 1 Mbps	\$62.00	\$0.00
Ethernet 3 Mbps	Port Recurring 3 Mbps	\$91.00	\$0.00
Ethernet 5 Mbps	Port Recurring 5 Mbps	\$107.00	\$0.00
Ethernet 10 Mbps	Port Recurring 10 Mbps	\$145.00	\$0.00
Ethernet 20 Mbps	Port Recurring 20 Mbps	\$223.00	\$0.00
Ethernet 30 Mbps	Port Recurring 30 Mbps	\$239.00	\$0.00
Ethernet 50 Mbps	Port Recurring 50 Mbps	\$287.00	\$0.00
Ethernet 90 Mbps	Port Recurring 90 Mbps	\$448.00	\$0.00
Ethernet 100 Mbps	Port Recurring 100 Mbps	\$542.00	\$0.00
Ethernet 300 Mbps	Port Recurring 300 Mbps	\$1,321.00	\$0.00
Ethernet 500 Mbps	Port Recurring 500 Mbps	\$1,913.00	\$0.00
Ethernet 1000 Mbps	Port Recurring 1000 Mbps	\$2,822.00	\$0.00
Ethernet 2000 Mbps	Port Recurring 2000 Mbps	\$5,440.00	\$0.00
Ethernet 5000 Mbps	Port Recurring 5000 Mbps	\$12,438.00	\$0.00
QOS/COS Charge - If QOS/COS is not included in PIP Dedicated Standard Port Charge immediately preceding this section, please indicate that charge here.			
0 Mbps (Change Order #2)	EF Real Time 0 Mbps	\$0.00	\$0.00
2 Mbps (Change Order #9)	EF Real Time 2 Mbps	\$0.00	\$0.00
3 Mbps (Change Order #3)	EF Real Time 3 Mbps	\$0.00	\$0.00
5 Mbps	EF Real Time 5 Mbps	\$0.00	\$0.00

**State of WV - SWC000000002**  
**Telecommunications Transport Contract**  
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**Attachment C: COST SHEET**  
**CHANGE ORDER #9**

10 Mbps	EF Real Time 10 Mbps		\$0.00	\$0.00
20 Mbps	EF Real Time 20 Mbps		\$0.00	\$0.00
30 Mbps	EF Real Time 30 Mbps		\$0.00	\$0.00
50 Mbps	EF Real Time 50 Mbps		\$0.00	\$0.00
90 Mbps	EF Real Time 90 Mbps		\$0.00	\$0.00
300 Mbps	EF Real Time 300 Mbps		\$0.00	\$0.00
450 Mbps (Change Order #4)	EF Real Time 450 Mbps		\$0.00	\$0.00
700 Mbps (Change Order #4)	EF Real Time 700 Mbps		\$0.00	\$0.00
900 Mbps (Change Order #4)	EF Real Time 900 Mbps		\$0.00	\$0.00
<b>Miscellaneous Costs and information</b>				
			<b>Hourly Rate</b>	
Extension of Circuit demarcation, per Hour				\$150.00
			<b>Cost per Circuit Expedited</b>	
Expedite Charge, per Circuit		Port Expedite		\$1,000.00
		Local Loop Access Expedite		\$500.00
Multiple Virtual Routing and Forwarding (VRF) Service (Change Order #2)				\$0.00
Standard Select Reporting Service (Change Order #2)				\$0.00
Management (Change Order #3)				\$0.00
Port Only Cross Connect (Change Order #3)				\$0.00