

CONSTITUTION PIPELINE



CONSTITUTION PIPELINE

**NEW YORK STATE
and
U.S. ARMY CORPS OF ENGINEERS**

**JOINT APPLICATION
SUPPLEMENTAL INFORMATION**

**U.S. Army Corps of Engineers
Section 404 of the Clean Water Act – Nationwide Permit 12 (NAN-2012-00449-UBR)**

**New York State Department of Environmental Conservation
Section 401 of Clean Water Act - Water Quality Certification (0-9999-00181/00001)
Article 15, Title 15 of the New York State
Environmental Conservation Law - Protection of Waters
(0-9999-0011181/00002 and 0-9999-00181/00003)
Article 24 of the New York State
Environmental Conservation Law - Freshwater Wetlands
(0-9999-00181/00004)**

Submitted by:

Constitution Pipeline Company, LLC
2800 Post Oak Boulevard (77056)
PO Box 1396
Houston, TX 77251-1396

August 2014



TABLE OF CONTENTS

1.0	INTRODUCTION	1-1
1.1	Pre-Emption Statement.....	1-1
2.0	GENERAL PROJECT DESCRIPTION.....	2-1
2.1	Proposed Facilities	2-1
2.1.1	Purpose and Need as Defined for the FERC NEPA Process.....	2-1
2.1.2	Location and Description of Facilities and Land Requirements.....	2-1
2.2	Construction Procedures	2-10
2.2.1	Pipeline Construction.....	2-10
2.2.2	Specialized Construction Procedures.....	2-11
2.2.3	Timeframe for Construction.....	2-11
2.2.4	Supervision and Inspection	2-11
2.3	Operation and Maintenance Procedures	2-11
2.3.1	Pipeline Facilities.....	2-11
2.4	Permits and Approvals.....	2-12
3.0	SURFACE WATER RESOURCES	3-1
3.1	Watersheds.....	3-1
3.2	Waterbodies	3-1
3.2.1	Federal Clean Water Act	3-1
3.2.2	NYSDEC Protection of Waters	3-24
3.2.3	Sensitive Surface Waters.....	3-26
3.2.4	Hydrostatic Test Water and Water Withdrawal.....	3-29
3.2.5	Waterbody Construction and Operation Impacts.....	3-29
3.3	Wetlands	3-33
3.3.1	Palustrine Forested Wetlands	3-52
3.3.2	Palustrine Scrub-Shrub Wetlands	3-52
3.3.3	Palustrine Emergent Wetlands.....	3-52
3.3.4	Open Water	3-52
3.3.5	Federal Clean Water Act	3-52
3.3.6	NYSDEC State-Regulated Freshwater Wetlands	3-52
3.3.7	Areas of Remote Sensed Wetlands	3-52



3.3.8	Wetland Construction and Operation Impacts	3-59
3.3.9	Avoidance, Minimization, and Mitigation.....	3-64
3.4	Waterbody and Wetland Crossing Alternatives.....	3-64
3.4.1	Wet Open Cut	3-64
3.4.2	Dry Crossings	3-64
3.4.3	Conventional Bore	3-64
3.4.4	Horizontal Directional Drill.....	3-64
3.4.5	Direct Pipe Method.....	3-66
3.4.6	Summary of Feasibility Issues with Trenchless Installation Methods.....	3-66
4.0	FISHERIES AND WILDLIFE RESOURCES.....	4-1
4.1	Fisheries of Special Concern	4-1
4.2	New York State Programs	4-1
4.2.1	Trout Waters	4-1
4.2.2	Construction and Operation Impacts and Mitigation.....	4-1
4.2.3	Minimization of Impacts.....	4-1
4.3	Threatened and Endangered Species	4-1
5.0	NEW YORK STATE LANDS	5-1
5.1	Melondy Hill State Forest.....	5-1
5.2	Clapper Hollow State Forest.....	5-1
6.0	COMPLIANCE WITH REGULATORY STANDARDS.....	6-1
6.1	Federal	6-1
6.1.1	Section 404 Clean Water Act.....	6-1
6.1.2	Section 401 Water Quality Certification.....	6-1
6.2	New York State.....	6-1
6.2.1	Protection of Waters	6-1
6.2.2	Freshwater Wetlands.....	6-1
6.3	Conclusion	6-1
7.0	REFERENCES.....	7-1



TABLE OF CONTENTS (Continued)

LIST OF TABLES

Table 2.1-1 Summary of Project Facilities in New York	2-1
Table 2.1-2 Summary of Land Requirements in New York	2-2
Table 2.1-3 Proposed Pipeline Facilities	2-2
Table 2.1-4 Land Requirements for Aboveground Facilities.....	2-3
Table 2.1-5 Proposed Aboveground Facilities.....	2-4
Table 2.1-6 Access Roads Associated with the Constitution Pipeline	2-5
Table 2.1-7 Proposed Pipe and Contractor Yards	2-9
Table 2.2-1 Minimum Specifications for Depth of Cover.....	2-10
Table 2.4-1 Permits, Licenses, Approvals, and Consultations to be Applied for/Requested for the Constitution Pipeline in New York.....	2-12
Table 3.1-1 Designated HUC Watersheds Crossed by the Constitution Pipeline in New York	3-2
Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York.....	3-7
Table 3.2-2 Summary of Waterbody Crossings for the Constitution Pipeline - Pipeline Facilities by FERC Classification.....	3-24
Table 3.2-3 Additional Temporary Workspace Within Wetlands for the Constitution Pipeline ^a	3-25
Table 3.2-4 Summary of Waterbodies Containing Cold Water Fisheries Crossed by the Project in New York.....	3-26
Table 3.2-4a Public Water Supply Watershed Areas Crossed by the Constitution Pipeline	3-28
Table 3.2-5 FEMA Flood Hazard Zones Crossed by the Constitution Pipeline in New York.....	3-28
Table 3.2-6 Potential Sources of Hydrostatic Test Water for the Constitution Pipeline Project in New York.....	3-29
Table 3.2-7 Waterbodies Crossed Using Trenchless Construction Methods.....	3-30
Table 3.2-8 Waterbodies Located in Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline	3-31
Table 3.2-9 Summary of Major Waterbodies Crossed by the Constitution Pipeline.....	3-32
Table 3.2-10 Construction Timing Restrictions for Certain Waterbodies Crossed by the Project.....	3-33
Table 3.3-1 Wetlands Associated with the Constitution Pipeline - New York.....	3-34
Table 3.3-2 Wetland Impact Summary by Wetland Type for New York.....	3-49
Table 3.3-3 HUC-8 Watershed Wetland Impact Summary for Constitution Pipeline in New York.....	3-50
Table 3.3-4 Construction Workspace >75 feet Within Wetlands for the Constitution Pipeline	3-51



Table 3.3-5 Adjacent Areas Associated with NYSDEC State-Regulated Freshwater Wetlands Crossed by the Constitution Pipeline Project	3-53
Table 3.3-6 Wetland Impact Summary of Surveyed and Remote Sensed Areas for Constitution Pipeline in New York	3-54
Table 3.3-6a Remotely Sensed Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York	3-55
Table 3.3-6b Waterbody Impact Summary of Surveyed and Remote Sensed Areas for Constitution Pipeline in New York	3-57
Table 3.3-6c Field-Surveyed Jurisdictional Waterbody and Wetlands Impact Summary for the Constitution Pipeline in New York	3-58
Table 3.3-7 Wetlands Crossed Using Trenchless Construction Methods	3-60
Table 3.3-8 Wetlands Located in Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline	3-61
Table 3.4-1 HDD and DP Installation Locations for the Constitution Pipeline in New York	3-65
Table 4.3-1 Federal- and State-listed Protected Species Potentially Occurring Within the Project Area and Survey Results	4-2
Table 5.0-1 New York State Lands Crossed by the Constitution Project	5-2



TABLE OF CONTENTS (Continued)

LIST OF ATTACHMENTS

(Attachments with revised information shown in blue text)

ATTACHMENT A	JOINT APPLICATION FORM AND SUPPLEMENTAL FORMS
ATTACHMENT B	FIGURES
FIGURE 1	PROJECT OVERVIEW MAP
FIGURE 2	SITE LOCUS MAP
FIGURE 3	WATERSHED MAP
FIGURE 4	NYSDEC STREAM WATER QUALITY CLASSIFICATION MAPS
FIGURE 5	NYSDEC STATE-REGULATED FRESHWATER WETLANDS MAPS
ATTACHMENT C	FERC ALIGNMENT SHEETS
ATTACHMENT D	ENVIRONMENTAL CONSTRUCTION PLAN
ATTACHMENT E	WATERBODY AND WETLAND SITE-SPECIFIC CROSSING DRAWINGS
ATTACHMENT F	AGENCY CORRESPONDENCE
ATTACHMENT G	HYDROLOGIC AND HYDRAULIC CALCULATIONS
ATTACHMENT H	WETLAND DELINEATION REPORT
ATTACHMENT I	LANDOWNER LINE LIST
ATTACHMENT J	WATERBODY AND WETLAND IMPACTS MASTER TABLE
ATTACHMENT K	WETLAND MITIGATION PLAN
ATTACHMENT L	SITE SPECIFIC PLANS FOR CROSSING OF PUBLIC LANDS
ATTACHMENT M	BALD EAGLE NEST SURVEY REPORT – PRIVILEGED AND CONFIDENTIAL INFORMATION
ATTACHMENT N	2013 RARE PLANT SURVEY REPORT
ATTACHMENT O	FILING FEE INFORMATION



- ATTACHMENT P** **CONSTITUTION’S FERC *FINAL ENVIRONMENTAL REPORT RESOURCE REPORT NO. 10 – ALTERNATIVES AND SUPPLEMENT TO JUNE 13, 2013 AND JULY 24, 2013 ENVIRONMENTAL RESOURCE REPORT NO. 10 – ALTERNATIVES***
- ATTACHMENT Q** **TROUT STREAM RESTORATION REPORT**
- ATTACHMENT R** **WETLANDS AND WATERBODIES WITH CROSSING METHOD CHANGES SINCE NOVEMBER 2013 APPLICATION FILING**
- ATTACHMENT S** **AGENCY REQUESTED ROUTE MODIFICATIONS AND STATUS FOR THE CONSTITUTION PIPELINE IN NEW YORK**



1.0 INTRODUCTION

This section of the Joint Application has not changed; therefore, refer to the information provided within the November 2013 supplemental submission for Project details contained within the narrative.

1.1 PRE-EMPTION STATEMENT



2.0 GENERAL PROJECT DESCRIPTION

Supplemental material within Section 2.0 is limited to new information contained within the associated tables. Please refer to the information provided within the November 2013 supplemental submission for Project details contained within the narrative.

2.1 PROPOSED FACILITIES

2.1.1 Purpose and Need as Defined for the FERC NEPA Process

2.1.2 Location and Description of Facilities and Land Requirements

Table 2.1-1 Summary of Project Facilities in New York

Facility ID	Facility Type ^a	Length (miles) ^b	County	State
Pipeline Facilities				
Constitution Pipeline	30-inch Pipeline	17.04	Broome	NY
		8.31	Chenango	NY
		42.92	Delaware	NY
		30.92	Schoharie	NY
Pipeline Facilities Total		99.20	-	-
Facility ID	Facility Type ^a	Horsepower	County	State
Aboveground Facilities				
Westfall Road M&R Delivery Station	Meter & Regulator Station	N/A	Schoharie	NY
Aboveground Facilities Total		N/A	-	-

This table has been entirely updated since the November 2013 submittal

a: All facilities are new and require new land development.

b: Horizontal Distance.



Table 2.1-2 Summary of Land Requirements in New York

Facility ^a	Land Affected During Construction ^b (acres)	Land Affected During Operation ^c (acres)
<i>Pipeline Facilities:</i>		
Pipeline	1,243.14	562.66
Additional Temporary Workspace	96.85	0.00
Pipeline Subtotal	1,339.99	562.66
<i>Aboveground Facilities:</i>		
Westfall Road M&R Delivery Station (includes MLV Terminus, interconnecting piping and Pig Receiver)	3.33	2.29
Access Roads	34.32	27.12
Contractor Yards	79.68	0.00
Cathodic Protection Ground Beds	TBD	TBD
New York Total	1,457.32	592.07

This table has been entirely updated since the November 2013 submittal

a: MLVs are located within the operation ROW of the pipeline and do not contribute additional acres affected.

b: Land Affected During Construction for the Pipeline facilities is comprised of above ground facilities, the 50-foot permanent ROW, the 60 feet of TWS in upland areas; 25 feet of TWS in wetland and waterbody areas; and 75 feet of TWS in agricultural areas, and ATWS where required. Acreages are approximate.

c: Land Affected During Operation includes the new 50-foot permanent ROW and Westfall Road M&R station.

d: Cathodic Protection Ground Bed land requirements have not yet been determined.

TBD = To be determined.

2.1.2.1 Pipeline Facilities

Table 2.1-3 Proposed Pipeline Facilities

Milepost ^a		Length ^b (miles)	Township/ Town	County	State
Begin	End				
25.26	42.30	17.04	Sanford	Broome	NY
42.30	47.62	5.32	Afton	Chenango	NY
47.62	50.62	3.00	Bainbridge	Chenango	NY
50.62	50.63	0.01	Bainbridge	Delaware	NY
50.63	52.34	1.71	Masonville	Delaware	NY
52.34	64.23	11.90	Sidney	Delaware	NY
64.23	73.66	9.42	Franklin	Delaware	NY
73.66	89.03	15.37	Davenport	Delaware	NY



Table 2.1-3 Proposed Pipeline Facilities

Milepost ^a		Length ^b (miles)	Township/ Town	County	State
Begin	End				
89.03	93.54	4.52	Harpersfield	Delaware	NY
93.54	93.88	0.34	Summit	Schoharie	NY
93.88	94.12	0.24	Jefferson	Schoharie	NY
94.12	96.00	1.88	Summit	Schoharie	NY
96.00	96.54	0.53	Jefferson	Schoharie	NY
96.54	97.01	0.47	Summit	Schoharie	NY
97.01	98.95	1.94	Jefferson	Schoharie	NY
98.95	105.05	6.11	Summit	Schoharie	NY
105.05	109.95	4.90	Richmondville	Schoharie	NY
109.95	112.09	2.13	Cobleskill	Schoharie	NY
112.09	115.61	3.53	Middleburgh	Schoharie	NY
115.61	123.98	8.36	Schoharie	Schoharie	NY
123.98	124.46	0.48	Wright	Schoharie	NY
New York Subtotal		99.20	-	-	-

This table has been entirely updated since the November 2013 submittal

a: Since the interstate pipeline originates in Pennsylvania and crosses the New York border the interstate milepost numbering system will be used as part of this application.

b: Horizontal distance

2.1.2.2 Aboveground Facilities

Table 2.1-4 Land Requirements for Aboveground Facilities

Facility Id ^a	Approximate Milepost	Township	County/ State	Co-located Facility (Yes/No)	Land Affected During Construction (acres) ^b	Land Affected During Operation (acres) ^b
New York						
Westfall Road M&R Delivery Station (includes MLV Terminus, interconnecting piping & Pig Receiver)	124.46	Wright	Schoharie/ NY	No	3.33	2.29

This table has been entirely updated since the November 2013 submittal

a: Facilities are new and require new land development. Includes one MLV, interconnecting piping & Pig Receiver).

b: Acreages are approximate.



Table 2.1-5 Proposed Aboveground Facilities

Facility ID ^a	Horsepower	Milepost	Township	County	State
New York					
MLV #3 Vale Rd.	N/A	26.80	Sanford	Broome	NY
MLV #4 O'Brien Rd.	N/A	40.94	Sanford	Broome	NY
MLV #5 Access Rd/Town Rd.	N/A	52.23	Masonville	Delaware	NY
MLV #6 Stewart Rd.	N/A	65.94	Franklin	Delaware	NY
MLV #7 County Road 10	N/A	80.39	Davenport	Delaware	NY
MLV #8 Clapper Hollow Rd.	N/A	95.05	Summit	Schoharie	NY
MLV #9 Access Rd./ Dodge Lodge Rd.	N/A	107.26	Richmondville	Schoharie	NY
MLV #10 Smith Rd.	N/A	119.51	Schoharie	Schoharie	NY
Westfall Road M&R Delivery Station (includes Pig Receiver & MLV Terminus)	N/A	124.46	Wright	Schoharie	NY

This table has been entirely updated since the November 2013 submittal.

a: Proposed aboveground facilities are new. Land impacts for the aboveground facilities, except the meter stations and internal inspection facilities, are included in workspace totals for the pipeline facilities.

2.1.2.3 Access Roads

2.1.2.4 Contractor Yards



Table 2.1-6 Access Roads Associated with the Constitution Pipeline^e

Access Road ID	Milepost ^a	County	Existing Road Type	Modification Required/New	Existing Land Use ^b	Length (feet)	Affected Area (Construction) (acres) ^c	Affected Area (Operation) (acres)	Justification
BROOME COUNTY									
PAR-20	26.81	Broome	none	grading/gravel/tree removal	RD, UF	87	0.01	0.01	Access is necessary to the main line valve site for construction and operation of the Project.
PAR-21	27.84	Broome	dirt	Needs nothing-great road	OL, RD, RE, UF, WB	2,018	0.83	0.83	Access is necessary between Laurel Lake Rd and RR due to the terrain and waterbody crossing near this location.
PAR-22	28.55	Broome	gravel	barrier fence/railroad ballast/existing Bluestone access road/grading	ID, RD, UF	4,717	1.33	1.33	Access is necessary between Laurel Lake Rd and RR due to the location of Highway 17 for construction and operation of the Project.
TAR-22A	28.85	Broome	gravel	silt fence sediment barrier	OL, RD, UF, WB	587	0.32	0.00	
TAR-27	33.86	Broome	dirt	grading/graveling	AG, RD	496	0.22	0.00	Temporary access road will be needed for travel locations along Hwy 40 and to assist with a waterbody crossing.
PAR-28	35.22	Broome	gravel/dirt	grading	OL, RD, RE	558	0.18	0.18	Access is necessary between Shaver Hill Rd and CR-241 due to the number of wetland locations in this area.
PAR-29	36.22	Broome	dirt	graveling-existing road	AG, RD, UF	609	0.28	0.28	Access is necessary between CR-241 and Clark Rd due to the number of wetland locations in this area and the Clark Road bore site.
PAR-31	40.74	Broome	gravel	grading/culvert/brush removal/graveling	AG, OL, RD, RE, UF	181	0.05	0.05	Access is necessary between Obrien Rd to conduct the two road bores.
Broome County Subtotal						9,253	3.20	2.66	
CHENANGO COUNTY									
PAR-33	43.71	Chenango	gravel	grading	OL, RD	570	0.25	0.25	Access is necessary between Oxbow Rd and Edwards Ln for construction and operation of the Project.
PAR-34	44.3	Chenango	dirt	tree removal/culvert/grading/graveling	RE, UF	1,722	0.78	0.78	Access is necessary between Edwards Ln and Melondy Hill Rd for construction and operation of the Project.
Chenango County Subtotal						2,292	1.03	1.03	
DELAWARE COUNTY									
PAR-36	52.24	Delaware	dirt	brush removal and grading at end of road/graveling	OL, PEM, RD, RE, SG, UF	1,966	0.93	0.93	Access is necessary to reach the mainline valve site for construction and operation of the Project.
TAR-36A	54.16	Delaware	dirt	grading/graveling	AG, OL, PEM, RD, RE, UF, WB	3,164	2.02	0.00	Access is necessary between Pine Hill Rd and Parker Hollow Rd to reach the HDD location while avoiding impacts to a cultural site.
TAR-36B	54.4	Delaware	dirt	grading/graveling	OL, PEM, RD, UF	2,976	1.66	0.00	



Table 2.1-6 Access Roads Associated with the Constitution Pipeline^e

Access Road ID	Milepost ^a	County	Existing Road Type	Modification Required/New	Existing Land Use ^b	Length (feet)	Affected Area (Construction) (acres) ^c	Affected Area (Operation) (acres)	Justification
TAR-36C	54.92	Delaware	gravel	none	OL, PEM, UF	3,626	1.92	0.00	Access is needed for workspace to the HDD locations.
PAR-36D	55.45	Delaware	gravel	culvert/silt fence sediment barrier	OL, UF	312	0.13	0.13	
PAR-37	58.93	Delaware	dirt	tree removal/grading/widening/graveling	AG, OL, RD, UF, WB	4,086	1.80	1.80	Access is necessary between Crane Hill Rd and CR-357 due significant terrain and the number of wetlands in the general vicinity of this location.
PAR-38	60.17	Delaware	dirt	brush and tree removal/grading/widening/graveling	AG, OL, PEM, RD	1,478	0.61	0.61	
PAR-39	62.61	Delaware	dirt	tree removal/grading/widening/graveling	OL, RD, RE, UF	2,079	1.16	1.16	
PAR-40	63.9	Delaware	dirt	grading/brush removal/graveling	AG, OL, PFO, RE, UF, WB	2,384	1.21	1.21	Access is necessary between Patent Line Rd and Bissell Rd for construction and operation of the Project.
PAR-41	65.92	Delaware	dirt	tree removal/grading/culvert/graveling	AG, RD, UF	719	0.28	0.28	Access is necessary between Bissell Rd and Otego Rd for construction and operation of the Project.
PAR-43	68.19	Delaware	dirt	grading/graveling/culvert	OL, UF	3,114	1.96	1.96	Access is necessary between Stewart Rd and Chamberlain Hill Rd for construction and operation of the Project.
PAR-44	69.96	Delaware	gravel	some widening/grading/tree clearing-part existing rd	AG, OL, PEM, RD, UF, WB	3,288	1.22	1.22	Access is necessary between Chamberlain Hill Rd and Rich Rd for construction and operation of the Project.
PAR-46 ^d	72.79	Delaware	none	grading/tree removal for widening/culvert/graveling	OL, PSS, RD, UF, WB	5,454	3.09	3.09	Access is necessary between CR-28 and Grange Hall Rd for construction and operation of the Project.
PAR-47	73.63	Delaware	dirt	culvert/tree removal/grading/graveling	OL, UF	2,034	1.21	1.21	Access is necessary between Grange Hall Rd and Swart Hollow Rd to avoid significant areas of terrain and cropland during post construction maintenance activities.
PAR-48B	76.88	Delaware	none	tree and brush removal/grading/culvert/graveling	PFO, PSS, RD, RE, UF	1,000	0.78	0.78	Access is necessary between Coe Hill Rd and Monkey Run Rd due to the terrain present in this area.
PAR-48A	80.39	Delaware	gravel	minor road improvements	OL, RD	128	0.03	0.03	Access is need to the mainline valve site for construction and operation of the Project.
TAR-5	87.64	Delaware	none	tree removal/grading/culvert/graveling	AG, RE, UF	1,421	0.74	0.00	Access is necessary between Old 96 and CR-23 to avoid impacts to the waterbody and wetlands present at this location, as well as for access associated with the HDD.
PAR-56	89.3	Delaware	dirt	grading/graveling	AG, RD, UF	1,345	0.87	0.87	Access is necessary between Parker Schoolhouse Rd and Quaker Hill Rd to avoid impacts to croplands during operation of the Project.



Table 2.1-6 Access Roads Associated with the Constitution Pipeline^e

Access Road ID	Milepost ^a	County	Existing Road Type	Modification Required/New	Existing Land Use ^b	Length (feet)	Affected Area (Construction) (acres) ^c	Affected Area (Operation) (acres)	Justification
TAR-4	92.77	Delaware	none	tree removal/grading/culvert/graveling	OL, RD	414	0.25	0.00	Access is necessary between Titus Lake Rd and Wood Chuck Run for construction and operation of the Project.
Delaware County Subtotal						40,987	21.88	15.29	
SCHOHARIE COUNTY									
PAR-56A	94.18	Schoharie	gravel	sediment barrier, erosion control	AG, RD, UF	1,686	1.05	1.05	
PAR-59	95.05	Schoharie	gravel	grading/culvert/tree removal	AG, RD	254	0.14	0.14	Access is necessary to the mainline valve location for construction and operation of the Project.
PAR-60	95.99	Schoharie	none	tree and brush removal/grading/culvert/graveling	RD, UF	2,264	1.68	1.68	Access is necessary between Clapper Hollow Rd and Standard Rd for travel through rough and wet terrain during construction and operation of the Project.
PAR-63	99.91	Schoharie	dirt	tree and brush removal/grading/graveling	RD, UF	565	0.46	0.46	Access is necessary between Arabia Rd and CR-10 for construction and to avoid impacts to croplands during operation of the Project.
TAR-2	101.49	Schoharie	none	tree and brush removal/grading/culvert/graveling	AG	180	0.07	0.00	Access is necessary for travel to the bore location.
PAR-66	103.45	Schoharie	dirt	tree and brush removal/grading/culvert/graveling	RD, UF, WB	3,086	1.51	1.51	Access is necessary between Sawyer Hollow Rd and Decker Rd for construction and operation of the Project.
PAR-68	106.45	Schoharie	none	grading/culvert/tree and brush removal/graveling	UF	416	0.17	0.17	Access is necessary between Lape Rd and Cross Hill Rd-needed to access rugged terrain for construction and maintenance
PAR-73	117.88	Schoharie	gravel	grading/tree removal/graveling	AG, OL, RD, UF	2,107	1.34	1.34	Access is necessary between Terrace Mnt Rd and Smith Rd. to avoid travel in areas of rough terrain and minimize impacts to an agricultural field.
PAR-74	119.61	Schoharie	gravel	tree removal/culvert/grading/graveling	AG, RD	153	0.01	0.01	Access is necessary to the mainline valve location and the workspace for the proposed Direct Pipe.
PAR-74C	119.89	Schoharie	paved	No improvements proposed	OL, PSS, RD	1,813	1.07	1.07	Access is necessary for the Direct Pipe crossing proposed for this location.
PAR-74D	120.13	Schoharie	gravel	proposed temporary lane for two way traffic	OL, PEM	833	0.46	0.46	
PAR-76	124.46	Schoharie	gravel/grass	grading/gravel	AG, ID	342	0.25	0.25	Permanent access road is needed for travel to the meter station.
Schoharie County Subtotal						13,699	8.22	8.14	



Table 2.1-6 Access Roads Associated with the Constitution Pipeline^e

Access Road ID	Milepost ^a	County	Existing Road Type	Modification Required/New	Existing Land Use ^b	Length (feet)	Affected Area (Construction) (acres) ^c	Affected Area (Operation) (acres)	Justification
OTSEGO COUNTY									
None	-	-	-	-	-	-	-	-	
Otsego County Subtotal						0	0.00	0.00	
NEW YORK SUBTOTAL						66,232	34.32	27.12	

This table has been entirely replaced since the November 2013 submittal.

a: Milepost indicates the point at which the access road connects with the pipeline ROW.

b: Agricultural (AG); Industrial (ID); Residential (RE); Roads (RD); Open Land (existing ROW, Open Field, Non-Agriculture) (OL); Wetlands (palustrine forested, scrub-shrub, and emergent (WL); Upland Forest (UF); Sand and Gravel (SG); Palustrine Forested Wetland (PFO); Palustrine scrub-shrub wetland (PSS); Palustrine emergent wetland (PEM); Waterbody (WB).

c: Temporary access roads will be restored to pre-construction land use and will not result in permanent land impacts or land use modification.

d: PAR46 is still being designed. Therefore a width of 40' has been used for construction impact calculations and a width of 24' has been used for operations impact calculations.

e: Access road lengths and impacts have been calculated based on the site specific designs.

TAR - Temporary Access Road

PAR - Permanent Access Road



Table 2.1-7 Proposed Pipe and Contractor Yards

Name/ Purpose	Approximate Location	Address	Construction Year	Existing Land Use Classification	Size ^a (Acres)	Comments
New York						
Contractor Yard 3A/ Construction Spread 3	309' south of MP 61.10	Sidney-Wells Bridge Road, Unadilla, NY	2015	Agriculture	10.99	Site improvements to facilitate use of this contractor yard will consist of topsoil segregation/temporary stabilization, minimal site grading, and the installation of construction entrance and gravel base (as described in the ECPs).
Contractor Yard 4A/ Construction Spread 4	16,176' north of MP 77.36	361 CO HW 58, Milford, NY	2015	Sand and Gravel, Open Land, PEM & Road	26.65	Site improvements to facilitate use of this contractor yard will consist of topsoil segregation/temporary stabilization, minimal site grading, and the installation of construction entrance and gravel base (as described in the ECPs).
Contractor Yard 4D/ Construction Spread 4	6,230' north- west of MP 82.20	12871 State Route 23 Davenport, NY 13750	2015	Agriculture, PEM	23.86	Site improvements to facilitate use of this contractor yard will consist of topsoil segregation/temporary stabilization, minimal site grading, and the installation of construction entrance and gravel base (as described in the ECPs).
Contractor Yard 5/ Construction Spread 5	7,610' north- west MP 107.15	1238 State Route 7 Richmondville, NY	2015	Agriculture, PEM Commercial /Industrial & Open Land	18.18	Site improvements to facilitate use of this contractor yard will consist of topsoil segregation/temporary stabilization, minimal site grading, and the installation of construction entrance and gravel base (as described in the ECPs).
New York Subtotal					79.68	-

This table has been entirely updated since the November 2013 submittal.

a: Acreage impact refers to construction acreage (TWS, ATWS and operational).



2.1.2.5 Additional Temporary Workspaces (ATWS)

2.2 CONSTRUCTION PROCEDURES

2.2.1 Pipeline Construction

2.2.1.1 Marking the Corridor

2.2.1.2 Erosion and Sediment Control

2.2.1.3 Clearing, Grading, and Fencing

2.2.1.4 Trenching

Table 2.2-1 Minimum Specifications for Depth of Cover (inches)

Location^a	Normal Soil	Consolidated Rock
USDOT PHMSA Class 1	36	24
USDOT PHMSA Class 2, 3, and 4	36	24
Land in Agriculture	48	24
Drainage ditches of public roads or railroad crossings	60	24
Navigable river, stream, or harbor	60	24
Minor stream crossings	60	24

a: As defined by USDOT Pipeline and Hazardous Materials Safety Administration (PHMSA) at 49 CFR 192.5.

Class 1: offshore areas and areas within 220 yards of a pipeline with ≤ 10 buildings intended for human occupancy.

Class 2: areas within 220 yards of a pipeline with > 10 but < 46 buildings intended for human occupancy.

Class 3: areas within 220 yards of a pipeline with > 46 buildings intended for human occupancy and areas within 100 yards of either a building or a small, well defined outside area (such as a playground, recreation area, outdoor theater, or other place of public assembly) that is occupied by 20 or more persons on at least five days a week for 10 weeks in any 12-month period.

Class 4: areas within 220 yards of a pipeline where buildings with four or more stories are prevalent.



- 2.2.1.5 Pipe Stringing**
- 2.2.1.6 Pipe Bending**
- 2.2.1.7 Pipe Assembly and Welding**
- 2.2.1.8 X-Ray and Weld Repair**
- 2.2.1.9 Pipe Preparation and Lowering-In**
- 2.2.1.10 Tie-Ins**
- 2.2.1.11 Backfilling and Grade Restoration**
- 2.2.1.12 Clean-up and Restoration**
- 2.2.1.13 Hydrostatic Testing and Tie-Ins**
- 2.2.2 Specialized Construction Procedures**
 - 2.2.2.1 Rugged Topography**
 - 2.2.2.2 Wetland Crossing Procedures**
 - 2.2.2.3 Waterbody Crossing Procedures**
- 2.2.3 Timeframe for Construction**
- 2.2.4 Supervision and Inspection**
- 2.3 OPERATION AND MAINTENANCE PROCEDURES**
 - 2.3.1 Pipeline Facilities**
 - 2.3.1.1 Cleared Areas**
 - 2.3.1.2 Erosion Control**



2.4 PERMITS AND APPROVALS

Table 2.4-1 Permits, Licenses, Approvals, and Consultations to be Applied for/Requested for the Constitution Pipeline in New York

Permit/Approval	Administering Agency	Status
Federal		
Enter FERC Pre-Filing Process	FERC	Docket No. PF12-9-000 May 2012
Certificate of Public Convenience and Necessity	FERC	ER submitted June 13, 2013 (Docket No. CP13-499-000) Supplemental filings: July 2013 November 2013 Environmental Information Request Responses and Additional Data Submissions Pre-DEIS: September 18, 2013 October 11, 2013 November 1, 2013 November 26, 2013 December 9, 2013 Draft Environmental Impact Statement Received: February 12, 2014 Environmental Information Request Responses and Additional Data Submissions Post-DEIS: March 14, 2014 March 26, 2014 April 7, 2014 June 3, 2014 June 19, 2014



Table 2.4-1 Permits, Licenses, Approvals, and Consultations to be Applied for/Requested for the Constitution Pipeline in New York

Permit/Approval	Administering Agency	Status
Clean Water Act (CWA) Section 404 Nationwide Permit Verifications (Application included herein)	USACE New York District (Lead)	Informal Consultation: August 2012
	USACE Buffalo District	Application submittal: August 2013 Supplemental Filing(s): November 2013 June 2014 (Baltimore) August 2014 (Pending) Public Notice Responses: June 2014
Consultation for: Rare, Threatened and Endangered Species Migratory Bird Treaty Act Bald and Golden Eagle Protection Act	U.S. Fish and Wildlife Service (USFWS) New York Field Office (Lead)	Informal consultations initiated and are ongoing: May 2012
	USFWS Pennsylvania Field Office	Consultation Request Submissions: April 2012 March 2013 December 2013 Species Report Submittals: July 2013 – Bald Eagle July 2013 – Indiana bat June 2014 – Bald Eagle July 2014 - Dwarf Wedge Mussel Upland Forest and Migratory Bird Plan Submission: April 2014 – Draft
New York State		
Surface Water Withdrawal Permit	Susquehanna River Basin Commission (SRBC)	Consultation Initiated: May 2014 Application Submittal: Anticipated August 2014
Water Withdrawal Permit	Delaware River Basin Commission (DRBC)	Consultation with the DRBC planned for August 2014: Withdrawals from the Delaware River Basin are not anticipated



Table 2.4-1 Permits, Licenses, Approvals, and Consultations to be Applied for/Requested for the Constitution Pipeline in New York

Permit/Approval	Administering Agency	Status
<u>Joint Application including</u> 401 Water Quality Certificate, Article 15 Protection of Waters (Stream Disturbance, Excavation and Fill in Navigable Waters), and Article 24 Freshwater Wetlands (Application included herein)	NYSDEC Division of Environmental Permits	Informal Consultation: August 2012 Application submittal: August 2013 Supplemental Filing(s): November 2013 August 2014 (Pending)
Title 33 Water Withdrawal (Hydrostatic Test Water Withdrawal)	NYSDEC Division of Environmental Permits	Water Withdrawal Application Submittal: April 2014
State Pollution Discharge Elimination System General Permit for Stormwater Discharges from Construction Activity	NYSDEC Division of Water Bureau of Water Permits	Notice of Intent (NOI) Draft Submittal: April 2014
Consultation (Rare Species)	NYSDEC Division of Fish, Wildlife, and Marine Resources Bureau of Wildlife's Endangered Species Program	Consultation initiated: May 2012 and is ongoing Consultation Request Submissions: April 2012 March 2103 December 2013 May 2014 Plant Survey Reports Submittals: February 2013 for 2012 Surveys December 2013 for 2013 Surveys Species Report Submittals: July 2013 – Bald Eagle June 2014 – Bald Eagle July 2014 – Dwarf Wedge Mussel
Section 106, National Historic Preservation Act Consultation	NY State Office of Parks, Recreation & Historic Preservation (OPRHP) State Historic Preservation Office (SHPO)	Consultation initiated: May 2012 and is ongoing



Table 2.4-1 Permits, Licenses, Approvals, and Consultations to be Applied for/Requested for the Constitution Pipeline in New York

Permit/Approval	Administering Agency	Status
Consultation (Agricultural Lands)	NYSDAM	Consultation initiated May 2012 and is ongoing Consultation Request Submissions: April 2012 March 2103 December 2013 May 2014
Highway Occupancy Permit	NY State Department of Transportation (NYSDOT)	Applications to be submitted 4 th quarter 2014
New York Local and County		
County/Municipal Road Opening Permits	Counties /Municipalities	Applications to be submitted 4 th quarter 2014

This table has been entirely updated since the November 2013 submittal.



3.0 SURFACE WATER RESOURCES

Supplemental material within Section 3.0 is limited to new information contained within Section 3.2.3.3 and the associated tables. Please refer to the information provided within the November 2013 supplemental submission for unaltered Project details contained within the narrative.

3.1 WATERSHEDS

3.2 WATERBODIES

3.2.1 Federal Clean Water Act



Table 3.1-1 Designated HUC Watersheds Crossed by the Constitution Pipeline in New York

Enter Milepost	Exit Milepost	County	HUC-4 Basin ^a	HUC-6 Basin ^a	HUC-8 Basin ^a	HUC-10 Basin ^a
25.26	25.59	Broome	Susquehanna (0205)	Upper Susquehanna (020501)	Upper Susquehanna (02050101)	Middle Susquehanna River (0205010112)
25.59	25.94	Broome				Lower Susquehanna River (0205010113)
25.94	25.95	Broome				Middle Susquehanna River (0205010112)
25.95	26.19	Broome				Lower Susquehanna River (0205010113)
26.19	26.80	Broome				Middle Susquehanna River (0205010112)
26.80	40.43	Broome	Delaware-Mid Atlantic Coastal (0204)	Upper Delaware (020401)	Upper Delaware (02040101)	Lower West Branch Delaware River (0204010103)
40.43	42.30	Broome	Susquehanna (0205)	Upper Susquehanna (020501)	Upper Susquehanna (02050101)	Middle Susquehanna River (0205010112)
42.30	50.62	Chenango				Middle Susquehanna River (0205010112)
50.62	52.13	Delaware				Middle Susquehanna River (0205010112)
52.13	52.33	Delaware				Upper Susquehanna River (0205010111)



Table 3.1-1 Designated HUC Watersheds Crossed by the Constitution Pipeline in New York

Enter Milepost	Exit Milepost	County	HUC-4 Basin ^a	HUC-6 Basin ^a	HUC-8 Basin ^a	HUC-10 Basin ^a
52.33	52.37	Delaware	Susquehanna (0205) (con't)	Upper Susquehanna (020501) (con't)	Upper Susquehanna (02050101) (con't)	Middle Susquehanna River (0205010112)
52.37	53.06	Delaware				Upper Susquehanna River (0205010111)
53.06	54.23	Delaware				Middle Susquehanna River (0205010112)
54.23	58.85	Delaware				Upper Susquehanna River (0205010111)
58.85	62.35	Delaware				Ouleout Creek (0205010110)
62.35	63.44	Delaware				Upper Susquehanna River (0205010111)
63.44	63.48	Delaware				Ouleout Creek (0205010110)
63.48	64.53	Delaware				Upper Susquehanna River (0205010111)
64.53	73.07	Delaware				Ouleout Creek (0205010110)
73.07	73.68	Delaware				Headwaters Susquehanna River (0205010106)
73.68	75.40	Delaware				Ouleout Creek (0205010110)



Table 3.1-1 Designated HUC Watersheds Crossed by the Constitution Pipeline in New York

Enter Milepost	Exit Milepost	County	HUC-4 Basin ^a	HUC-6 Basin ^a	HUC-8 Basin ^a	HUC-10 Basin ^a
75.40	75.60	Delaware	Susquehanna (0205) (con't)	Upper Susquehanna (020501) (con't)	Upper Susquehanna (02050101) (con't)	Headwaters Susquehanna River (0205010106)
75.60	77.02	Delaware				Ouleout Creek (0205010110)
77.02	93.54	Delaware				Charlotte Creek (0205010104)
93.54	99.35	Schoharie				Charlotte Creek (0205010104)
99.35	99.76	Schoharie	Upper Hudson (0202)	Upper Hudson (020200)	Schoharie (02020005)	West Kill-Schoharie Creek (0202000503)
99.76	99.80	Schoharie	Susquehanna (0205)	Upper Susquehanna (020501)	Upper Susquehanna (02050101)	Charlotte Creek (0205010104)
99.80	103.28	Schoharie	Upper Hudson (0202)	Upper Hudson (020200)	Schoharie (02020005)	West Kill-Schoharie Creek (0202000503)
103.28	107.70	Schoharie				Cobleskill Creek (0202000506)



Table 3.1-1 Designated HUC Watersheds Crossed by the Constitution Pipeline in New York

Enter Milepost	Exit Milepost	County	HUC-4 Basin ^a	HUC-6 Basin ^a	HUC-8 Basin ^a	HUC-10 Basin ^a
107.70	107.86	Schoharie	Upper Hudson (0202) (con't)	Upper Hudson (020200) (con't)	Schoharie (02020005) (con't)	Panther Creek-Schoharie Creek (0202000504)
107.86	107.93	Schoharie				Cobleskill Creek (0202000506)
107.93	108.41	Schoharie				Panther Creek-Schoharie Creek (0202000504)
108.41	109.34	Schoharie				Cobleskill Creek (0202000506)
109.34	111.29	Schoharie				Panther Creek-Schoharie Creek (0202000504)
111.29	112.14	Schoharie				Cobleskill Creek (0202000506)
112.14	115.51	Schoharie				Panther Creek-Schoharie Creek (0202000504)
115.51	115.61	Schoharie				Cobleskill Creek (0202000506)
115.61	115.98	Schoharie				Panther Creek-Schoharie Creek (0202000504)
115.98	116.04	Schoharie				Cobleskill Creek (0202000506)
116.04	116.24	Schoharie	Panther Creek-Schoharie Creek (0202000504)			



Table 3.1-1 Designated HUC Watersheds Crossed by the Constitution Pipeline in New York

Enter Milepost	Exit Milepost	County	HUC-4 Basin ^a	HUC-6 Basin ^a	HUC-8 Basin ^a	HUC-10 Basin ^a
116.24	117.06	Schoharie	Upper Hudson (0202) (con't)	Upper Hudson (020200) (con't)	Schoharie (02020005) (con't)	Cobleskill Creek (0202000506)
117.06	117.31	Schoharie				Panther Creek-Schoharie Creek (0202000504)
117.31	117.52	Schoharie				Cobleskill Creek (0202000506)
117.52	117.55	Schoharie				Panther Creek-Schoharie Creek (0202000504)
117.55	118.26	Schoharie				Cobleskill Creek (0202000506)
118.26	118.40	Schoharie				Panther Creek-Schoharie Creek (0202000504)
118.40	118.43	Schoharie				Cobleskill Creek (0202000506)
118.43	118.74	Schoharie				Panther Creek-Schoharie Creek (0202000504)
118.74	122.77	Schoharie				Fly Creek-Schoharie Creek (0202000507)
122.77	124.46	Schoharie				Fox Creek (0202000505)

This table has been entirely updated since the November 2013 submittal.

a: USGS 2012b

HUC: Hydrologic Unit Code



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
WATERBODIES ASSOCIATED WITH PIPELINE																	
UPPER SUSQUEHANNA (HUC 02050101)																	
BR-1C-S207	UNT to Cascade Creek	26.37	27	56 of 220	42.008452	-75.527222	Sanford/Broome	Gulf Summit	I	17	0.03	I	D	N/A	N/A	No	II
BR-1C-S230	UNT to Cascade Creek	26.48	27	57 of 220	42.009781	-75.526217	Sanford/Broome	Gulf Summit	E	10	0.02	MI	D	N/A	N/A	No	II
BR-1C-S230A	UNT to Cascade Creek	26.48	27	57 of 220	42.009813	-75.526187	Sanford/Broome	Gulf Summit	E	3	0.01	MI	D	N/A	N/A	No	II
BR-1S-S207D	UNT to Cascade Creek	26.58	27	58 of 220	42.011130	-75.525882	Sanford/Broome	Gulf Summit	E	3	0.01	MI	D	N/A	N/A	No	II
BR-1S-S207C	UNT to Cascade Creek	26.58	27	58 of 220	42.011175	-75.525904	Sanford/Broome	Gulf Summit	P	3	0.01	MI	D	N/A	N/A	No	II
BR-1S-S207E	UNT to Cascade Creek	26.58	27	58 of 220	42.011210	-75.525922	Sanford/Broome	Gulf Summit	E	3	0.01	MI	D	N/A	N/A	No	II
BR-1S-S206	UNT to Cascade Creek	26.59	27	58 of 220	42.011286	-75.525989	Sanford/Broome	Gulf Summit	I	15	0.01	I	D	N/A	N/A	No	II
BR-1S-S205	UNT to Cascade Creek	26.68	27	59 of 220	42.012195	-75.527372	Sanford/Broome	Gulf Summit	I	0	0.01	N/A	D	N/A	N/A	No	N/A
BR-1C-S204	UNT to Cascade Creek	26.74	28	60 of 220	42.012930	-75.528044	Sanford/Broome	Gulf Summit	I	6	0.02	MI	D	N/A	N/A	No	II
UPPER DELAWARE (HUC 02040101)																	
BR-1C-S211	UNT to Fly Creek	27.31	28	60a of 220	42.020425	-75.525779	Sanford/Broome	Gulf Summit	I	12	0.01	I	B(T)	(T)	June 1 - Sep 30	Yes	II
BR-1C-S210	UNT to Fly Creek	27.33	28	60a of 220	42.020793	-75.525756	Sanford/Broome	Gulf Summit	I	6	0.01	MI	B(T)	(T)	June 1 - Sep 30	Yes	II
BR-1L-S222	UNT to Fly Creek	28.19	29	61 of 220	42.029432	-75.515712	Sanford/Broome	Gulf Summit	E	0	0.01	N/A	D	N/A	N/A	No	N/A
BR-1H-S179	UNT to Fly Creek	28.36	29	62 of 220	42.031820	-75.515703	Sanford/Broome	Gulf Summit	P	18	0.04	I	B(T)	(T)	June 1 - Sep 30	Yes	II
BR-1H-S178	Fly Creek	28.78	30	63 of 220	42.037390	-75.516366	Sanford/Broome	Gulf Summit	P	31	0.04	I	B(T)	(T)	June 1 - Sep 30	Yes	II
BR-1B-S049	UNT to Fly Creek	28.88	29	64 of 220	42.038278	-75.517583	Sanford/Broome	Gulf Summit	I	12	0.03	I	B(T)	(T)	June 1 - Sep 30	Yes	II
BR-1J-S170	UNT to Fly Creek	28.96	30	65 of 220	42.039323	-75.518316	Sanford/Broome	Gulf Summit	I	3	0.01	MI	D	N/A	N/A	No	III



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
BR-1H-S208	UNT to Fly Creek	29.07	30	66 of 220	42.040849	-75.518376	Sanford/Broome	Gulf Summit	E	5	0.01	MI	D	N/A	N/A	No	II
BR-1J-S048	UNT to Fly Creek	29.21	30	67 of 220	42.042839	-75.516640	Sanford/Broome	Gulf Summit	P	18	0.02	I	B(T)	(T)	June 1 - Sep 30	Yes	II
BR-1I-S050B	UNT to Fly Creek	29.42	30	68 of 220	42.044722	-75.514386	Sanford/Broome	Gulf Summit	E	16	0.03	I	D	N/A	N/A	No	II
BR-1I-S051	UNT to Fly Creek	29.77	31	69 of 220	42.049572	-75.512682	Sanford/Broome	Gulf Summit	I	3	0.01	MI	D	N/A	N/A	No	II
BR-1I-S001	UNT to Marsh Creek	30.41	31	70 of 220	42.057032	-75.507101	Sanford/Broome	Gulf Summit	P	40	0.05	I	C(T)	(T)	June 1 - Sep 30	Yes	II
BR-1B-S054B	UNT to Marsh Creek	30.61	32	71 of 220	42.059605	-75.504962	Sanford/Broome	Gulf Summit	E	0	0.01	N/A	D	N/A	N/A	No	N/A
BR-1I-S055	Marsh Creek	30.78	32	72 of 220	42.061272	-75.503801	Sanford/Broome	Gulf Summit	P	30	0.05	I	C(T)	(T)	June 1 - Sep 30	Yes	II
BR-XX-31.80/ BR-1H-S132	UNT to Oquaga Creek	31.80	32	N/A	42.072249	-75.492569	Sanford/Broome	Deposit	P	3	0.01	MI	D	N/A	June 1 - Sep 30	No	II
BR-1I-S188A	UNT to Oquaga Creek	32.98	34	73 of 220	42.083154	-75.478045	Sanford/Broome	Deposit	P	13	0.02	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
BR-1G-S186	UNT to Oquaga Creek	33.66	34	74 of 220	42.092319	-75.481017	Sanford/Broome	Deposit	I	3	0.01	MI	D	N/A	N/A	No	II
BR-1B-S056A	UNT to Oquaga Creek	33.68	34	74 of 220	42.092560	-75.481028	Sanford/Broome	Deposit	P	18	0.04	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
BR-1I-S057	Oquaga Creek	34.02	35	75 of 220	42.097285	-75.479807	Sanford/Broome	Deposit	P	42	0.07	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
BR-1H-S181A	Road Ditch	34.59	35	76 of 220	42.103985	-75.474336	Sanford/Broome	Deposit	E	1	0.01	MI	N/A	N/A	N/A	No	III
BR-1B-S181	Road Ditch	34.63	35	76 of 220	42.104307	-75.474107	Sanford/Broome	Deposit	I	1	0.01	MI	N/A	N/A	N/A	No	III
BR-1G-S189	UNT to Oquaga Creek	34.66	36	77 of 220	42.104746	-75.474111	Sanford/Broome	Deposit	P	4	0.01	MI	C(T)	(T)	N/A	Yes	II
BR-1I-S190	UNT to Oquaga Creek	34.74	36	78 of 220	42.105863	-75.473277	Sanford/Broome	Deposit	P	11	0.02	I	C(T)	(T)	June 1 - Sep 30	Yes	II
BR-1U-S135	UNT to Oquaga Creek	35.23	36	79 of 220	42.112564	-75.471408	Sanford/Broome	Deposit	I	6	0.01	MI	D	N/A	N/A	No	II
BR-1K-S138	UNT to Oquaga Creek	35.33	36	80 of 220	42.113885	-75.470614	Sanford/Broome	Deposit	I	18	0.02	I	D	N/A	N/A	No	II



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
BR-1K-S140	UNT to Oquaga Creek	35.63	37	81 of 220	42.117447	-75.467883	Sanford/Broome	Deposit	I	13	0.02	I	C(T)	(T)	June 1 - Sep 30	Yes	II
BR-1I-S062	UNT to Oquaga Creek	35.99	37	82 of 220	42.122187	-75.466376	Sanford/Broome	Deposit	P	3	0.01	MI	C(T)	(T)	N/A	Yes	II
BR-1I-S065	UNT to Oquaga Creek	36.28	37	83 of 220	42.126273	-75.463925	Sanford/Broome	North Sanford	P	3	0.01	MI	C(T)	(T)	N/A	Yes	II
BR-1U-S141	Oquaga Creek	36.62	37	84 of 220	42.130702	-75.463144	Sanford/Broome	North Sanford	P	38	0.08	I	C(T)	(T)	June 1 - Sep 30	Yes	II
BR-1I-S067	Dry Brook	37.41	38	85 of 220	42.140597	-75.467275	Sanford/Broome	North Sanford	P	19	0.09	I	C(T)	(T)	June 1 - Sep 30	Yes	II
BR-1I-S067	Dry Brook	37.42	38	85 of 220	42.140649	-75.467471	Sanford/Broome	North Sanford	P	36		I	C(T)	(T)	June 1 - Sep 30	Yes	II
BR-1C-S071A	UNT to Dry Brook	38.49	39	86 of 220	42.152185	-75.481220	Sanford/Broome	North Sanford	E	2	0.01	MI	D	N/A	N/A	No	II
BR-1Q-S209	UNT to Dry Brook	38.78	40	87 of 220	42.155608	-75.484742	Sanford/Broome	North Sanford	P	7	0.01	MI	C(T)	(T)	June 1 - Sep 30	Yes	II
BR-1Q-S210	UNT to Dry Brook	38.98	40	88 of 220	42.157718	-75.487149	Sanford/Broome	North Sanford	E	5	0.01	MI	D	N/A	N/A	No	II
BR-1C-S150A	UNT to Dry Brook	39.17	40	89 of 220	42.160024	-75.489484	Sanford/Broome	North Sanford	E	29	0.05	I	D	N/A	June 1 - Sep 30	No	II
BR-1C-S150	Dry Brook	39.29	40	90 of 220	42.161392	-75.490750	Sanford/Broome	North Sanford	P	12	0.02	I	C(T)	(T)	June 1 - Sep 30	Yes	II
BR-1C-S221	UNT to Dry Brook	39.71	41	91 of 220	42.166251	-75.495392	Sanford/Broome	North Sanford	E	3	0.01	MI	D	N/A	N/A	No	II
UPPER SUSQUEHANNA (HUC 02050101)																	
BR-1B-S072	Road Ditch	40.74	41	92 of 220	42.178132	-75.506508	Sanford/Broome	Afton	E	1	0.01	MI	N/A	N/A	N/A	No	II
BR-1G-S196	UNT of Cornell Creek	41.27	42	93 of 220	42.182963	-75.513369	Sanford/Broome	Afton	E	3	0.01	MI	D	N/A	N/A	No	II
BR-1I-S198	UNT of Cornell Creek	41.36	42	94 of 220	42.184088	-75.513291	Sanford/Broome	Afton	I	9	0.02	MI	D	N/A	N/A	No	II
BR-1C-S151	UNT of Cornell Creek	41.47	43	95 of 220	42.185636	-75.513028	Sanford/Broome	Afton	E	3	0.01	MI	D	N/A	N/A	No	II
BR-1S-S200	Road Ditch	41.90	43	95a of 220	42.191419	-75.510967	Sanford/Broome	Afton	I	3	0.01	MI	N/A	N/A	N/A	No	II
BR-1S-S203	UNT to Cornell Creek	41.98	43	95b of 220	42.191776	-75.509465	Sanford/Broome	Afton	I	5	0.01	MI	D	N/A	N/A	No	II



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
CH-1L-S250	UNT to Cornell Creek	42.33	43	96 of 220	42.195405	-75.505197	Sanford/ Broome	Afton	P	23	0.04	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
CH-1H-S011	UNT of Cornell Creek	42.46	43	97 of 220	42.196851	-75.504435	Afton/ Chenango	Afton	P	11	0.02	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
CH-1H-S011A	UNT of Cornell Creek	42.48	44	97 of 220	42.196883	-75.504596	Afton/ Chenango	Afton	P	0	0.01	N/A	C(TS)	(TS)	June 1 - Sep 30	Yes	N/A
CH-1J-S014A	UNT of Cornell Creek	42.80	44	98 of 220	42.201476	-75.505950	Afton/ Chenango	Afton	E	3	0.01	MI	C	N/A	N/A	No	II
CH-1J-S014	UNT of Cornell Creek	42.80	44	98 of 220	42.201529	-75.505953	Afton/ Chenango	Afton	P	28	0.04	I	C	N/A	N/A	No	II
CH-1J-S015	UNT of Cornell Creek	42.83	44	98 of 220	42.201858	-75.505974	Afton/ Chenango	Afton	P	13	0.03	I	C	N/A	N/A	No	II
CH-XX-43.07	UNT of Cornell Creek	43.07	44	N/A	42.205045	-75.504281	Afton/ Chenango	Afton	P	4	0.01	MI	C	N/A	N/A	No	II
CH-1H-S016	UNT of Cornell Creek	43.84	45	99 of 220	42.215247	-75.500366	Afton/ Chenango	Afton	P	5	0.02	MI	C	N/A	June 1 - Sep 30	No	II
CH-1S-S060	UNT to Landers Creek	45.27	46	100 of 220	42.233593	-75.489949	Afton/ Chenango	North Sanford	I	12	0.02	I	D	N/A	N/A	No	II
CH-1A-S048	Landers Creek	45.37	47	100 of 220	42.234778	-75.489167	Afton/ Chenango	North Sanford	P	29	0.05	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
CH-1C-S065	UNT to Susquehanna River	45.79	47	101 of 220	42.238646	-75.482939	Afton/ Chenango	North Sanford	E	13	0.03	I	D	N/A	N/A	No	II
CH-1X-S063	UNT to Susquehanna River	46.29	47	102 of 220	42.242069	-75.475164	Afton/ Chenango	North Sanford	I	3	0.01	MI	C(T)	(T)	N/A	Yes	II
CH-1X-S062	UNT to Susquehanna River	46.36	48	102 of 220	42.242975	-75.474350	Afton/ Chenango	North Sanford	I	0	0.01	N/A	D	N/A	N/A	No	N/A
CH-1X-S062A	UNT to Susquehanna River	46.36	48	102 of 220	42.242972	-75.474481	Afton/ Chenango	North Sanford	I	3	0.01	MI	D	N/A	N/A	No	II
CH-1X-S061	UNT to Susquehanna River	46.46	48	103 of 220	42.244259	-75.473660	Afton/ Chenango	North Sanford	E	3	0.01	MI	D	N/A	N/A	No	II
CH-1C-S035B	UNT to Susquehanna River	46.67	48	104 of 220	42.246807	-75.471383	Afton/ Chenango	North Sanford	E	3	0.01	MI	D	N/A	N/A	No	II



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
CH-1Q-S036A	UNT to Susquehanna River	46.77	48	105 of 220	42.248133	-75.471102	Afton/Chenango	North Sanford	E	0	0.01	N/A	D	N/A	N/A	No	N/A
CH-1C-S008	UNT to Bennettsville Creek	47.40	49	106 of 220	42.256520	-75.466285	Afton/Chenango	Sidney	E	3	0.01	MI	D	N/A	N/A	No	II
CH-1K-S009	UNT to Bennettsville Creek	47.53	49	107 of 220	42.258342	-75.465892	Afton/Chenango	Sidney	E	11	0.02	I	D	N/A	N/A	No	II
CH-1C-S010B	Bennettsville Creek	47.73	49	108 of 220	42.260444	-75.463172	Bainbridge/Chenango	Sidney	I	31	0.00	I	C(T)	(T)	May 15 - Oct 15	Yes	V
CH-1C-S010C	Bennettsville Creek	47.75	49	108 of 220	42.260603	-75.463034	Bainbridge/Chenango	Sidney	I	20	0.00	I	C(T)	(T)	May 15 - Oct 15	Yes	V
CH-1C-S010C	Bennettsville Creek	47.76	49	108 of 220	42.260750	-75.462906	Bainbridge/Chenango	Sidney	I	17		I	C(T)	(T)	May 15 - Oct 15	Yes	V
CH-1A-S010	Bennettsville Creek	47.80	49	108 of 220	42.261169	-75.462542	Bainbridge/Chenango	Sidney	P	90	0.00	I	C(T)	(T)	May 15 - Oct 15	Yes	V
CH-1C-S010F	Bennettsville Creek	47.82	49	108 of 220	42.261486	-75.462266	Bainbridge/Chenango	Sidney	E	26	0.00	I	C(T)	(T)	May 15 - Oct 15	Yes	V
CH-1B-S025	UNT to Bennettsville Creek	48.32	49	110 of 220	42.264862	-75.454253	Bainbridge/Chenango	Sidney	I	3	0.01	MI	D	N/A	N/A	No	II
CH-1B-S029	UNT to Bennettsville Creek	48.77	50	111 of 220	42.269344	-75.447982	Bainbridge/Chenango	Sidney	I	0	0.01	N/A	D	N/A	N/A	No	N/A
CH-1S-S042	UNT to Bennettsville Creek	49.72	51	112 of 220	42.276296	-75.433143	Bainbridge/Chenango	Sidney	P	4	0.01	MI	C	N/A	N/A	No	II
CH-1S-S044	UNT to Bennettsville Creek	49.72	51	112 of 220	42.276489	-75.432727	Bainbridge/Chenango	Sidney	I	0	0.01	N/A	C	N/A	N/A	No	N/A
CH-1S-S046	UNT to Bennettsville Creek	49.79	51	112 of 220	42.276972	-75.432256	Bainbridge/Chenango	Sidney	I	6	0.01	MI	C	N/A	N/A	No	II
CH-1A-S047	Road Ditch	50.19	51	113 of 220	42.277493	-75.424655	Bainbridge/Chenango	Sidney	E	3	0.01	MI	N/A	N/A	N/A	No	II



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
CH-1A-S038	UNT to Bennettsville Creek	50.32	51	114 of 220	42.277565	-75.422016	Bainbridge/Chenango	Sidney	I	3	0.01	MI	D	N/A	N/A	No	II
DE-1B-S026A	UNT to Masonville Creek	51.06	52	115 of 220	42.278084	-75.407523	Masonville/Delaware	Sidney	I	3	0.01	MI	D	N/A	N/A	No	II
DE-1H-S026B	UNT to Masonville Creek	51.08	52	115 of 220	42.278097	-75.407317	Masonville/Delaware	Sidney	E	19	0.02	I	D	N/A	N/A	No	II
DE-1H-S026	Rock Creek	51.08	52	115 of 220	42.278103	-75.407237	Masonville/Delaware	Sidney	P	16	0.03	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1H-S026	Rock Creek	51.08	52	115 of 220	42.278105	-75.407199	Masonville/Delaware	Sidney	P	4		MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1C-S270	UNT to Masonville Creek	51.23	52	116 of 220	42.278638	-75.404477	Masonville/Delaware	Sidney	I	4	0.01	MI	D	N/A	N/A	No	II
DE-1H-S028	Road Ditch	51.74	53	117 of 220	42.278580	-75.394627	Masonville/Delaware	Sidney	I	3	0.01	MI	N/A	N/A	N/A	No	III
DE-1B-S029	UNT to Susquehanna River	52.63	54	118 of 220	42.286682	-75.381788	Sidney/Delaware	Sidney	P	9	0.02	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1H-S033	UNT to Masonville Creek	53.99	55	119 of 220	42.289042	-75.357372	Sidney/Delaware	Unadilla	P	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1H-S013	UNT to Susquehanna River (Collar Brook)	54.59	56	120 of 220	42.290996	-75.345867	Sidney/Delaware	Unadilla	P	80	0.00	I	AA	N/A	N/A	Yes	IV
DE-1H-S013	UNT to Susquehanna River (Collar Brook)	54.63	56	120 of 220	42.291080	-75.345373	Sidney/Delaware	Unadilla	P	70		I	AA	N/A	N/A	Yes	IV
DE-1M-S075	UNT to Susquehanna River	55.21	56	121 of 220	42.292978	-75.334250	Sidney/Delaware	Unadilla	E	3	0.00	MI	C	N/A	N/A	No	IV
DE-1M-S077	UNT to Carrs Creek	55.79	57	122 of 220	42.295261	-75.323654	Sidney/Delaware	Unadilla	E	9	0.03	MI	D	N/A	N/A	No	II



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
DE-1K-S077A	Road Ditch	55.81	57	122 of 220	42.295123	-75.323406	Sidney/ Delaware	Unadilla	I	3	0.01	MI	N/A	N/A	N/A	No	II
DE-1M-S077	UNT to Carrs Creek	55.87	57	123 of 220	42.295211	-75.322382	Sidney/ Delaware	Unadilla	E	19	0.02	I	D	N/A	N/A	No	II
DE-1F-S078	UNT to Carrs Creek	56.01	57	124 of 220	42.296145	-75.320081	Sidney/ Delaware	Unadilla	P	21	0.04	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-XX-S56.60	UNT to Carrs Creek	56.60	58	N/A	42.301175	-75.317209	Sidney/ Delaware	Unadilla	P	4	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-XX-S56.84	Carrs Creek	56.84	58	N/A	42.305099	-75.310119	Sidney/ Delaware	Unadilla	P	3	0.12	MI	C(T)	(T)	June 1 - Sep 30	Yes	II
DE-XX-S56.90	UNT to Carrs Creek	56.90	58	N/A	42.304935	-75.310322	Sidney/ Delaware	Unadilla	P	3	0.01	MI	C	N/A	N/A	No	II
DE-1C-S110B	UNT to Susquehanna River	57.99	59	125 of 220	42.317663	-75.297429	Sidney/ Delaware	Unadilla	I	7	0.01	MI	D	N/A	N/A	No	II
DE-1C-S113C	UNT to Susquehanna River	58.09	59	126 of 220	42.318449	-75.295863	Sidney/ Delaware	Unadilla	P	3	0.05	MI	C	N/A	N/A	No	II
DE-1C-S113D	UNT to Susquehanna River	58.19	59	127 of 220	42.319520	-75.294445	Sidney/ Delaware	Unadilla	I	3	0.01	MI	D	N/A	N/A	No	II
DE-1N-S079A	UNT to Susquehanna River	58.52	60	128 of 220	42.322339	-75.289519	Sidney/ Delaware	Unadilla	I	0	0.01	N/A	D	N/A	N/A	No	N/A
DE-1N-S079	UNT to Susquehanna River	58.52	60	128 of 220	42.322420	-75.289542	Sidney/ Delaware	Unadilla	P	13	0.03	I	C	N/A	N/A	No	II
DE-1C-S190	UNT to Susquehanna River	58.87	60	129 of 220	42.326079	-75.284698	Sidney/ Delaware	Unadilla	I	7	0.01	MI	D	N/A	N/A	No	II
DE-1S-S100	UNT to Pond	58.95	60	130 of 220	42.326863	-75.283660	Sidney/ Delaware	Unadilla	E	41	0.04	I	D	N/A	N/A	No	II
DE-1N-S101	UNT to Pond	59.13	60	131 of 220	42.328989	-75.281779	Sidney/ Delaware	Unadilla	I	19	0.03	I	D	N/A	N/A	No	II
DE-1M-S081	UNT to Ouleout Creek	59.67	61	132 of 220	42.333396	-75.273170	Sidney/ Delaware	Unadilla	I	8	0.02	MI	D	N/A	N/A	No	II
DE-1S-S102	UNT to Ouleout Creek	59.99	61	133 of 220	42.335354	-75.267484	Sidney/ Delaware	Unadilla	P	21	0.03	I	C	N/A	N/A	No	II



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
DE-1Q-S071	UNT to Ouleout Creek	60.37	61	134 of 220	42.336940	-75.260571	Sidney/ Delaware	Unadilla	I	20	0.03	I	D	N/A	N/A	No	II
DE-1P-S129	Ouleout Creek	60.87	62	135 of 220	42.342429	-75.254703	Sidney/ Delaware	Unadilla	P	98	0.16	I	C(T)	(T)	June 1 - Sep 30	Yes	II
DE-1W-S130	UNT to Ouleout Creek	61.12	63	136 of 220	42.344914	-75.251567	Sidney/ Delaware	Unadilla	I	17	0.03	I	C	N/A	N/A	No	II
DE-1C-S303	Road Ditch	61.63	63	136a of 220	42.350214	-75.244818	Sidney/ Delaware	Franklin	I	5	0.01	MI	D	N/A	N/A	No	II
DE-1A-S301	UNT to Susquehanna River	62.43	63	136b of 220	42.354571	-75.231667	Sidney/ Delaware	Franklin	I	36	0.04	I	C	N/A	N/A	No	II
DE-1P-S211	UNT to Susquehanna River	63.17	65	137 of 220	42.356278	-75.217768	Sidney/ Delaware	Franklin	I	0	0.01	N/A	C	N/A	N/A	No	N/A
DE-1X-S235	UNT to Susquehanna River	63.98	65	138 of 220	42.357070	-75.201964	Sidney/ Delaware	Franklin	P	8	0.03	MI	C	N/A	N/A	No	II
DE-1C-S287	UNT to Ouleout Creek	64.83	66	138a of 220	42.362412	-75.187272	Franklin/ Delaware	Franklin	I	40	0.06	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1L-S176	UNT to Susquehanna River	66.28	67	139 of 220	42.372988	-75.163476	Franklin/ Delaware	Franklin	I	7	0.01	MI	D	N/A	N/A	No	II
DE-1C-S273A	UNT to Susquehanna River	66.90	68	140 of 220	42.375259	-75.151797	Franklin/ Delaware	Otego	P	12	0.03	I	D	N/A	N/A	No	II
DE-XX-68.77	UNT to Ouleout Creek	68.77	71	N/A	42.387121	-75.119024	Franklin/ Delaware	Oneonta	P	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1P-S054	UNT to Ouleout Creek	69.46	71	141 of 220	42.388239	-75.106043	Franklin/ Delaware	Oneonta	P	14	0.02	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1W-S055A	UNT to Ouleout Creek	70.56	72	142 of 220	42.400935	-75.094808	Franklin/ Delaware	Oneonta	E	0	0.01	N/A	D	N/A	N/A	No	N/A
DE-1C-S275	UNT to Ouleout Creek	70.76	72	143 of 220	42.403020	-75.092178	Franklin/ Delaware	Oneonta	I	11	0.01	I	D	N/A	N/A	No	II
DE-1C-S275	UNT to Ouleout Creek	70.76	72	143 of 220	42.403038	-75.092160	Franklin/ Delaware	Oneonta	I	5		MI	D	N/A	N/A	No	II
DE-1C-S274	UNT to Ouleout Creek	70.76	72	143 of 220	42.403588	-75.091671	Franklin/ Delaware	Oneonta	I	0	0.01	N/A	D	N/A	N/A	No	N/A



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
DE-1C-S273	UNT to Ouleout Creek	70.83	72	144 of 220	42.403742	-75.091250	Franklin/Delaware	Oneonta	I	3	0.01	MI	D	N/A	N/A	No	II
DE-1P-S056	UNT to Ouleout Creek	70.90	73	145 of 220	42.403742	-75.089877	Franklin/Delaware	Oneonta	P	13	0.02	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1P-S056A	UNT to Ouleout Creek	70.93	73	145 of 220	42.403739	-75.089323	Franklin/Delaware	Oneonta	P	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1P-S058	UNT to Ouleout Creek	71.75	73	146 of 220	42.408642	-75.076320	Franklin/Delaware	Oneonta	P	12	0.03	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1P-S058B	UNT to Ouleout Creek	71.76	73	147 of 220	42.408610	-75.076118	Franklin/Delaware	Oneonta	I	0	0.01	N/A	D	N/A	N/A	No	N/A
DE-1C-S192	UNT to Ouleout Creek	71.87	74	148 of 220	42.409369	-75.074310	Franklin/Delaware	Oneonta	I	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1C-S192A	UNT to Ouleout Creek	71.88	74	148 of 220	42.409461	-75.074180	Franklin/Delaware	Oneonta	I	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-XX-72.97	UNT to Ouleout Creek	72.97	75	N/A	42.419400	-75.059856	Franklin/Delaware	Oneonta	P	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1P-S125	UNT to Ouleout Creek	74.16	76	149 of 220	42.418261	-75.037147	Davenport/Delaware	Oneonta	I	3	0.01	MI	D	N/A	N/A	No	II
DE-1P-S126	UNT to Ouleout Creek	74.27	76	150 of 220	42.418828	-75.035084	Davenport/Delaware	Oneonta	P	30	0.05	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1C-S268	Road Ditch	75.29	77	151 of 220	42.422608	-75.016856	Davenport/Delaware	Oneonta	I	4	0.01	MI	N/A	N/A	N/A	No	II
DE-XX-75.82	UNT to Ouleout Creek	75.82	78	N/A	42.419770	-75.007554	Davenport/Delaware	Oneonta	P	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-XX-76.39	UNT to Ouleout Creek	76.39	78	N/A	42.420360	-74.996585	Davenport/Delaware	West Davenport	P	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-XX-76.46	UNT to Ouleout Creek	76.46	78	N/A	42.420990	-74.995486	Davenport/Delaware	West Davenport	P	3	0.01	MI	C	N/A	N/A	No	II
DE-1C-S290	UNT to Charlotte Creek	76.75	78	151a of 220	42.422203	-74.990124	Davenport/Delaware	West Davenport	I	0	0.01	N/A	D	N/A	N/A	No	N/A
DE-1C-S289	UNT to Charlotte Creek	76.81	79	151a of 220	42.422612	-74.989029	Davenport/Delaware	West Davenport	I	3	0.01	MI	D	N/A	N/A	No	II
DE-XX-77.83	UNT to Charlotte Creek	77.83	79	N/A	42.423778	-74.969552	Davenport/Delaware	West Davenport	P	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1B-S263A	UNT to Charlotte Creek	78.04	80	151b of 220	42.423369	-74.965492	Davenport/Delaware	West Davenport	I	3	0.01	MI	D	N/A	N/A	No	II



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
DE-1B-S263B	UNT to Charlotte Creek	78.04	80	151b of 220	42.423421	-74.965392	Davenport/Delaware	West Davenport	I	0	0.00	N/A	D	N/A	N/A	No	N/A
DE-1G-S241	Road Ditch	78.18	80	152 of 220	42.423423	-74.962748	Davenport/Delaware	West Davenport	I	4	0.01	MI	N/A	N/A	N/A	No	II
DE-1L-S210B	UNT to Charlotte Creek	78.27	80	153 of 220	42.423250	-74.961085	Davenport/Delaware	West Davenport	E	0	0.01	N/A	C	N/A	N/A	No	N/A
DE-1L-S210C	UNT to Charlotte Creek	78.27	80	153 of 220	42.423218	-74.960954	Davenport/Delaware	West Davenport	I	0	0.01	N/A	C	N/A	N/A	No	N/A
DE-1L-S210	UNT to Charlotte Creek	78.27	80	153 of 220	42.423322	-74.961070	Davenport/Delaware	West Davenport	P	14	0.02	I	C	N/A	N/A	No	II
DE-1G-S242	UNT to Charlotte Creek	78.57	80	154 of 220	42.423016	-74.955237	Davenport/Delaware	West Davenport	E	5	0.01	MI	D	N/A	N/A	Yes	II
DE-1G-S243	UNT to Charlotte Creek	78.59	80	154 of 220	42.422976	-74.954966	Davenport/Delaware	West Davenport	E	3	0.01	MI	D	N/A	N/A	Yes	II
DE-1G-S244	UNT to Charlotte Creek	78.60	80	154 of 220	42.422946	-74.954526	Davenport/Delaware	West Davenport	E	3	0.02	MI	D	N/A	N/A	Yes	II
DE-1L-S254	UNT to Charlotte Creek	79.03	81	155 of 220	42.422267	-74.946448	Davenport/Delaware	West Davenport	I	17	0.01	I	D	N/A	N/A	No	II
DE-1L-S256	UNT to Charlotte Creek	79.07	81	155 of 220	42.422120	-74.945829	Davenport/Delaware	West Davenport	I	12	0.02	I	D	N/A	N/A	No	II
DE-1L-S255	UNT to Charlotte Creek	79.13	81	155 of 220	42.421855	-74.944714	Davenport/Delaware	West Davenport	I	11	0.03	I	D	N/A	N/A	No	II
DE-XX-S79.36	Prosser Hollow Brook	79.30	81	N/A	42.422307	-74.941614	Davenport/Delaware	West Davenport	P	4	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1M-S135	UNT to Charlotte Creek	79.89	82	156 of 220	42.425120	-74.931058	Davenport/Delaware	West Davenport	E	15	0.02	I	D	N/A	N/A	No	II
DE-1P-S136	UNT to Charlotte Creek	80.20	82	157 of 220	42.424695	-74.925005	Davenport/Delaware	West Davenport	P	3	0.01	MI	C	N/A	N/A	No	II
DE-1P-S138	UNT to Charlotte Creek	80.30	82	158 of 220	42.424666	-74.923203	Davenport/Delaware	West Davenport	P	6	0.01	MI	C	N/A	June 1 - Sep 30	No	II
DE-1P-S137	UNT to Charlotte Creek	80.30	82	158 of 220	42.424664	-74.923064	Davenport/Delaware	West Davenport	P	13	0.02	I	C	N/A	June 1 - Sep 30	No	II
DE-1G-S207	UNT to Charlotte Creek	80.31	82	158 of 220	42.424661	-74.922883	Davenport/Delaware	West Davenport	P	5	0.01	MI	C	N/A	N/A	No	II
DE-1L-S208	UNT to Charlotte Creek	80.32	82	158 of 220	42.424659	-74.922783	Davenport/Delaware	West Davenport	P	4	0.01	MI	C	N/A	N/A	No	II



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
DE-1L-S206	UNT to Charlotte Creek	80.37	82	158 of 220	42.424643	-74.921726	Davenport/Delaware	West Davenport	I	4	0.01	MI	D	N/A	June 1 - Sep 30	No	II
DE-1B-S267	UNT to Charlotte Creek	80.44	82	160 of 220	42.424620	-74.920303	Davenport/Delaware	West Davenport	I	13	0.01	I	D	N/A	N/A	No	II
DE-1G-S183	Pumpkin Hollow Brook	80.54	82	161 of 220	42.425351	-74.918851	Davenport/Delaware	West Davenport	P	4	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1G-S183C	Pumpkin Hollow Brook	80.55	82	161 of 220	42.425413	-74.918772	Davenport/Delaware	West Davenport	I	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1G-S183B	Pumpkin Hollow Brook	80.55	82	161 of 220	42.425442	-74.918839	Davenport/Delaware	West Davenport	I	0	0.01	N/A	C(TS)	(TS)	June 1 - Sep 30	Yes	N/A
DE-1G-S183C	Pumpkin Hollow Brook	80.55	82	161 of 220	42.425435	-74.918856	Davenport/Delaware	West Davenport	I	0	0.00	N/A	C(TS)	(TS)	June 1 - Sep 30	Yes	N/A
DE-1G-S200	Isolated Hillside Seep	81.40	83	162 of 220	42.432835	-74.905715	Davenport/Delaware	West Davenport	N/A	0	0.03	N/A	N/A	N/A	N/A	No	N/A
DE-1I-S201	Kortright Creek	81.58	83	163 of 220	42.434456	-74.902907	Davenport/Delaware	West Davenport	P	41	0.07	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1G-S201A	Kortright Creek	81.60	83	164 of 220	42.434624	-74.902584	Davenport/Delaware	West Davenport	I	29	0.05	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1G-S203	UNT to Kortright Creek	81.97	84	165 of 220	42.437165	-74.896571	Davenport/Delaware	West Davenport	P	12	0.02	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1I-S203A	UNT to Kortright Creek	81.98	84	165 of 220	42.437172	-74.896449	Davenport/Delaware	West Davenport	I	5	0.01	MI	D	N/A	N/A	No	II
DE-1G-S204	UNT to Kortright Creek	82.01	84	166 of 220	42.437277	-74.895787	Davenport/Delaware	West Davenport	E	0	0.01	N/A	D	N/A	N/A	No	N/A
DE-1B-S271	UNT to Kortright Creek	83.11	85	167 of 220	42.442524	-74.876206	Davenport/Delaware	West Davenport	P	9	0.02	MI	C	N/A	June 1 - Sep 30	No	II
DE-1B-S272	UNT to Kortright Creek	83.38	85	168 of 220	42.444423	-74.871674	Davenport/Delaware	Davenport	P	15	0.03	I	C	N/A	N/A	No	II
DE-XX-84.66	UNT to Charlotte Creek	84.66	86	N/A	42.453377	-74.850650	Davenport/Delaware	Davenport	P	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1L-S252	UNT to Middle Brook	86.08	88	169 of 220	42.456820	-74.823533	Davenport/Delaware	Davenport	I	13	0.02	I	D	N/A	N/A	No	II
DE-1R-S001	UNT to Middle Brook	87.08	89	170 of 220	42.462843	-74.806674	Davenport/Delaware	Davenport	I	16	0.02	I	C	N/A	N/A	No	II
DE-1C-S117	Mud Lake/UNT to Middle Brook	87.10	89	170 of 220	42.462872	-74.806502	Davenport/Delaware	Davenport	P	10	0.06	MI	C	N/A	N/A	No	II



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
DE-1T-S050	UNT to Middle Brook	87.78	89	171 of 220	42.467006	-74.794679	Davenport/Delaware	Davenport	I	3	0.01	MI	D	N/A	N/A	No	II
DE-1T-S051	Middle Brook	87.86	90	172 of 220	42.467660	-74.793038	Davenport/Delaware	Davenport	P	54	0.00	I	C(TS)	(TS)	N/A (DP) June 1 - Sep 30	Yes	V
DE-1T-S052	UNT to Middle Brook	88.07	90	173 of 220	42.469381	-74.790049	Davenport/Delaware	Davenport	P	9	0.02	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1P-S053B	UNT to Middle Brook	88.45	90	174 of 220	42.472145	-74.784116	Davenport/Delaware	Davenport	I	3	0.01	MI	D	N/A	N/A	No	II
DE-1P-S053	UNT to Middle Brook	88.49	90	174 of 220	42.472143	-74.783504	Davenport/Delaware	Davenport	P	15	0.03	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1L-S250	Road Ditch	90.21	92	176 of 220	42.490083	-74.760949	Harpersfield/Delaware	Davenport	I	3	0.01	MI	N/A	N/A	N/A	No	II
DE-XX-91.82/ SC-1G-S006	UNT to Charlotte Creek	91.82	94	N/A	42.501557	-74.734470	Harpersfield/Delaware	Charlotteville	I	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-1G-S005	UNT to Charlotte Creek	92.33	94	177 of 220	42.503444	-74.724830	Harpersfield/Delaware	Charlotteville	I	10	0.02	MI	C(T)	(T)	June 1 - Sep 30	Yes	II
SC-1F-S002	UNT to Charlotte Creek	94.60	96	178 of 220	42.516548	-74.691666	Summit/Schoharie	Charlotteville	P	14	0.02	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
SC-1F-S002	UNT to Charlotte Creek	94.60	96	178 of 220	42.516558	-74.691645	Summit/Schoharie	Charlotteville	P			N/A	C(TS)	(TS)	June 1 - Sep 30	Yes	N/A
SC-1S-S315	UNT to Charlotte Creek	94.61	96	178 of 220	42.516620	-74.691522	Summit/Schoharie	Charlotteville	I	4	0.01	MI	C(T)	(T)	June 1 - Sep 30	Yes	II
SC-1Y-S342	Road Ditch	94.97	97	179 of 220	42.519113	-74.685430	Summit/Schoharie	Charlotteville	I	3	0.01	MI	N/A	N/A	N/A	No	III
SC-1C-S325E	UNT to Clapper Hollow Creek	95.21	97	180 of 220	42.520999	-74.681706	Summit/Schoharie	Charlotteville	P	0	0.01	N/A	C(TS)	(TS)	June 1 - Sep 30	Yes	N/A
SC-1C-S325F	UNT to Clapper Hollow Creek	95.21	97	180 of 220	42.521026	-74.681780	Summit/Schoharie	Charlotteville	P	0	0.01	N/A	C(TS)	(TS)	June 1 - Sep 30	Yes	N/A
SC-1C-S325	Clapper Hollow Creek	95.21	97	180 of 220	42.521031	-74.681911	Summit/Schoharie	Charlotteville	P	20	0.03	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
SC-1C-S325A	UNT to Clapper Hollow Creek	95.23	97	180 of 220	42.521349	-74.682073	Summit/Schoharie	Charlotteville	I	0	0.01	N/A	C(TS)	(TS)	June 1 - Sep 30	Yes	N/A
SC-1Q-S284	UNT to Clapper Hollow Creek	95.38	97	181 of 220	42.522500	-74.679763	Summit/Schoharie	Charlotteville	P	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
SC-1Q-S278	UNT to Clapper Hollow Creek	96.08	98	182 of 220	42.525293	-74.666644	Jefferson/Schoharie	Charlotteville	P	16	0.03	I	C(T)	(T)	June 1 - Sep 30	Yes	II



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
SC-1C-S280	Road Ditch	96.40	98	183 of 220	42.527950	-74.661564	Jefferson/Schoharie	Charlotteville	E	3	0.01	MI	N/A	N/A	N/A	No	III
SC-1G-S343	UNT to Clapper Hollow Creek	97.44	99	184 of 220	42.535465	-74.645369	Jefferson/Schoharie	Charlotteville	I	11	0.01	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
SC-1C-S329	Road Ditch	97.73	99	185 of 220	42.537105	-74.640431	Jefferson/Schoharie	Charlotteville	I	3	0.01	MI	N/A	N/A	N/A	No	II
SC-1A-S370C	Road Ditch	97.77	99	185a of 220	42.537383	-74.639481	Jefferson/Schoharie	Charlotteville	I	11	0.01	I	C(T)	(T)	June 1 - Sep 30	Yes	II
SC-1A-S370	Road Ditch	97.79	99	185a of 220	42.537432	-74.639312	Jefferson/Schoharie	Charlotteville	P	17	0.04	I	C(T)	(T)	June 1 - Sep 30	Yes	II
SC-1A-S370F	Road Ditch	97.80	99	185a of 220	42.537463	-74.639207	Jefferson/Schoharie	Charlotteville	I	9	0.01	MI	C(T)	(T)	June 1 - Sep 30	Yes	II
SC-1L-S335	UNT to Clapper Hollow Creek	98.62	100	186 of 220	42.542731	-74.625163	Jefferson/Schoharie	Charlotteville	P	42	0.06	I	C(T)	(T)	June 1 - Sep 30	Yes	II
SCHOHARIE (HUC 02020005)																	
SC-XX-S101.48	UNT to Clapper Hollow Creek	101.43	103	N/A	42.569918	-74.592381	Summit/Schoharie	Summit	P	0	0.01	N/A	C	N/A	N/A	No	N/A
SC-1E-S102	West Kill	101.76	103	187 of 220	42.571167	-74.585870	Summit/Schoharie	Summit	P	34	0.05	I	C(T)	(T)	June 1 - Sep 30	Yes	II
SC-1E-S104	UNT to West Kill	102.11	104	188 of 220	42.574420	-74.581077	Summit/Schoharie	Summit	I	3	0.01	MI	C	N/A	N/A	No	II
SC-1E-S105	UNT to West Kill	103.04	104	189 of 220	42.585626	-74.574058	Summit/Schoharie	Summit	I	3	0.01	MI	D	N/A	N/A	No	II
SC-1M-S013	UNT to Cobleskill Creek	104.08	106	190 of 220	42.596728	-74.560893	Summit/Schoharie	Summit	E	4	0.01	MI	D	N/A	N/A	No	II
SC-1G-S151	Beards Hollow Brook	104.53	106	191 of 220	42.602159	-74.556104	Summit/Schoharie	Summit	P	6	0.01	MI	C	N/A	N/A	No	II
SC-1Q-S244	UNT to Beards Hollow Brook	104.86	107	192 of 220	42.605528	-74.552244	Summit/Schoharie	Summit	E	3	0.01	MI	D	N/A	N/A	No	II
SC-1P-S218	UNT to Beards Hollow Brook	105.25	107	193 of 220	42.608600	-74.546176	Richmondville/Schoharie	Summit	I	4	0.01	MI	D	N/A	N/A	No	II
SC-1P-S218A	UNT to Beards Hollow Brook	105.27	107	193 of 220	42.608720	-74.545989	Richmondville/Schoharie	Summit	I	3	0.01	MI	D	N/A	N/A	No	II
SC-1G-S249	UNT to Beards Hollow Brook	105.65	107	194 of 220	42.612384	-74.540322	Richmondville/Schoharie	Summit	I	8	0.01	MI	D	N/A	N/A	No	II



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
SC-1L-S166	UNT to Cobleskill Creek	105.81	107	195 of 220	42.613000	-74.537366	Richmondville/Schoharie	Summit	P	15	0.02	I	C	N/A	N/A	No	II
SC-1L-S166A	UNT to Cobleskill Creek	105.83	107	196 of 220	42.612836	-74.537230	Richmondville/Schoharie	Summit	P	0	0.02	N/A	C	N/A	N/A	No	N/A
SC-1L-S164	UNT to Cobleskill Creek	106.18	108	197 of 220	42.614130	-74.530813	Richmondville/Schoharie	Summit	I	4	0.01	MI	D	N/A	N/A	No	II
SC-1I-S297	UNT to Cobleskill Creek	106.39	108	198 of 220	42.616167	-74.527814	Richmondville/Schoharie	Summit	E	3	0.01	MI	D	N/A	N/A	No	II
SC-1J-S298	UNT to Cobleskill Creek	106.48	108	199 of 220	42.617062	-74.526379	Richmondville/Schoharie	Summit	E	3	0.01	MI	D	N/A	N/A	No	II
SC-1J-S300	UNT to Cobleskill Creek	106.48	108	199 of 220	42.616909	-74.526712	Richmondville/Schoharie	Summit	E	0	0.01	N/A	D	N/A	N/A	No	N/A
SC-1L-S195	UNT to Cobleskill Creek	106.55	108	200 of 220	42.617641	-74.525367	Richmondville/Schoharie	Summit	E	4	0.01	MI	D	N/A	N/A	No	II
SC-1L-S264	UNT to Cobleskill Creek	106.57	108	200 of 220	42.617798	-74.525051	Richmondville/Schoharie	Summit	E	3	0.01	MI	D	N/A	N/A	No	II
SC-1L-S165A	UNT to Cobleskill Creek	106.59	108	201 of 220	42.618014	-74.524653	Richmondville/Schoharie	Summit	I	5	0.02	MI	D	N/A	N/A	No	II
SC-1L-S265	UNT to Cobleskill Creek	106.59	108	201 of 220	42.618060	-74.524598	Richmondville/Schoharie	Summit	E	3	0.01	MI	D	N/A	N/A	No	II
SC-1L-S165B	UNT to Cobleskill Creek	106.63	108	201 of 220	42.618370	-74.524462	Richmondville/Schoharie	Summit	I	6	0.02	MI	C	N/A	N/A	No	II
SC-1Q-S165C	UNT to Cobleskill Creek	106.67	108	202 of 220	42.618911	-74.524080	Richmondville/Schoharie	Summit	I	0	0.01	N/A	D	N/A	N/A	No	N/A
SC-1L-S267	UNT to Cobleskill Creek	107.01	109	203 of 220	42.622819	-74.520213	Richmondville/Schoharie	Summit	P	3	0.01	MI	C	N/A	N/A	No	II



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
SC-1C-S271	UNT to Cobleskill Creek	108.81	110	204 of 220	42.632237	-74.488966	Richmondville/Schoharie	Cobleskill	E	10	0.01	MI	D	N/A	N/A	No	II
SC-1C-S279	UNT to Cobleskill Creek	109.13	111	205 of 220	42.634099	-74.483198	Richmondville/Schoharie	Cobleskill	E	5	0.01	MI	D	N/A	N/A	No	II
SC-1C-S278	UNT to Cobleskill Creek	109.15	111	205 of 220	42.634217	-74.482838	Richmondville/Schoharie	Cobleskill	E	7	0.02	MI	D	N/A	N/A	No	II
SC-1Q-S273	UNT to House Creek	109.49	111	206 of 220	42.634000	-74.476224	Richmondville/Schoharie	Cobleskill	I	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
SC-1Q-S274	UNT to House Creek	109.49	111	206 of 220	42.634131	-74.476585	Richmondville/Schoharie	Cobleskill	I	0	0.01	N/A	D	N/A	N/A	No	N/A
SC-1Q-S280	UNT to House Creek	109.71	111	207 of 220	42.634102	-74.472358	Richmondville/Schoharie	Cobleskill	P	4	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
SC-1I-S280A	UNT to House Creek	109.73	111	207 of 220	42.634176	-74.472000	Richmondville/Schoharie	Cobleskill	I	8	0.01	MI	D	N/A	N/A	No	II
SC-1C-S186	House Creek	110.10	112	208 of 220	42.635995	-74.465178	Cobleskill/Schoharie	Cobleskill	P	30	0.03	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
SC-1C-S186A	UNT to House Creek	110.29	112	209 of 220	42.636875	-74.461761	Cobleskill/Schoharie	Cobleskill	P	15	0.02	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
SC-1C-S187	Road Ditch	110.57	112	210 of 220	42.638253	-74.456539	Cobleskill/Schoharie	Cobleskill	E	3	0.01	MI	N/A	N/A	N/A	No	III
SC-1C-S331	UNT to House Creek	110.58	112	210 of 220	42.638288	-74.456408	Cobleskill/Schoharie	Cobleskill	I	3	0.01	MI	D	N/A	N/A	No	III
SC-1C-S332	UNT to House Creek	110.76	112	211 of 220	42.639197	-74.452964	Cobleskill/Schoharie	Cobleskill	P	8	0.02	MI	D	N/A	N/A	No	II
SC-1P-S019	UNT to Limekiln Creek	113.40	115	212 of 220	42.650178	-74.407945	Middleburgh/Schoharie	Cobleskill	P	7	0.02	MI	C	N/A	N/A	No	II
SC-1M-S018	UNT to Limekiln Creek	113.76	115	213 of 220	42.653861	-74.402886	Middleburgh/Schoharie	Cobleskill	E	3	0.01	MI	C	N/A	N/A	No	II
SC-1N-S016	UNT to Limekiln Creek	114.52	116	214 of 220	42.659291	-74.390399	Middleburgh/Schoharie	Cobleskill	E	3	0.01	MI	D	N/A	N/A	No	II
SC-1Q-S289	Schoharie Creek	119.74	121	215 of 220	42.702126	-74.317182	Schoharie/Schoharie	Schoharie	P	248	0.00	MA	C	N/A	N/A (DP) Jul 16 - Feb 28	Yes (Navigable River)	V



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
SC-1Q-S291	UNT to Schoharie Creek	119.87	121	216 of 220	42.703361	-74.315075	Schoharie/ Schoharie	Schoharie	E	5	0.01	MI	D	N/A	N/A	No	II
SC-1D-S181	UNT to Schoharie Creek	120.55	122	217 of 220	42.707746	-74.304884	Schoharie/ Schoharie	Schoharie	E	3	0.01	MI	D	N/A	N/A	No	II
SC-1C-S180	UNT to Schoharie Creek	120.79	122	218 of 220	42.707394	-74.300792	Schoharie/ Schoharie	Schoharie	P	28	0.05	I	C(TS)	(TS)	June 1 - Sep 30	Yes	II
SC-1G-S196	UNT to Schoharie Creek	122.56	124	219 of 220	42.702803	-74.269642	Schoharie/ Schoharie	Schoharie	P	11	0.02	I	C	N/A	N/A	No	II
SC-1Q-S060	Louse Kill	123.97	126	220 of 220	42.700481	-74.243040	Schoharie/ Schoharie	Gallupville	I	14	0.03	I	C	N/A	N/A	No	II
Pipeline Total Crossing Length										2,794	4.51						
WATERBODIES ASSOCIATED WITH ACCESS ROADS																	
UPPER DELAWARE (HUC 02040101)																	
BR-1B-S049 TAR 22A	UNT to Fly Creek	28.85	26-26-85/TAR-22A	6 of 60	42.037916	-75.517818	Sanford/ Broome	Gulf Summit	P	10	0.01	MI	B(T)	(T)	June 1 - Sep 30	Yes	Minor Fill Req'd at Approach to Existing Culverted Stream Crossing
UPPER SUSQUEHANNA (HUC 02050101)																	
DE-1C-S284 TAR 36A	UNT to Masonville Creek	54.16	26-26-85/TAR-36a.2	18-19 of 60	42.286109	-75.357761	Sidney/ Delaware	Unadilla	P	50	0.01	I	C(TS)	(TS)	June 1 - Sep 30	Yes	Proposed Culvert
DE-1C-S283 TAR 36A	UNT to Masonville Creek	54.16	26-26-85/TAR-36a.2	18-19 of 60	42.286102	-75.358660	Sidney/ Delaware	Unadilla	I	35	0.02	I	D	N/A	N/A	No	Proposed Culvert
DE-1A-S297 PAR 40	UNT to Ouleout Creek	63.81	26-26-85/PAR-40.1	32-33 of 60	42.353560	-75.205304	Sidney/ Delaware	Franklin	I	50	0.02	I	C(T)	(T)	June 1 - Sep 30	Yes	Proposed Culvert
DE-1B-S217 PAR 46	UNT to Ouleout Creek	72.29	26-26-85/PAR-46.1	40-41 of 60	42.423496	-75.073008	Franklin/ Delaware	Oneonta	I	10	0.01	MI	D	N/A	N/A	No	Proposed Culvert
SCHOHARIE (HUC 02020005)																	



Table 3.2-1 Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
SC-1L-S163 PAR 68	UNT to Cobleskill Creek	106.45	26-26-85/PAR-68	55-56 of 60	42.617640	-75.527012	Richmondville/Schoharie	Summit	E	5	0.01	MI	D	N/A	N/A	No	Proposed Culvert
Access Road Total Crossing Length										160	0.08						
Total Crossing Length New York										2,954	4.59						

This table has been updated since the November 2013 submittal

N/A = Not Applicable

TBD = To Be Determined

a: UNT: Unnamed Tributary. UNT name was identified based on review of USGS topographical mapping.

b: MP provided for access roads indicate the point at which the access road meets the proposed pipeline.

c: P = perennial; I = intermittent; POW = open water; E = Ephemeral.

d: 0.0 = waterbody is not crossed but is in workspace. For minor waterbodies less than 3 feet in width delineated in the survey area and shown as a single line feature on the Project alignment sheets, an assumed 3 foot width has been used for this analysis.

e: MI = Minor (<10 feet); I = Intermediate (>10 - <100 feet); MA = Major (>100 feet).

f: NY Water Quality Standards Definition: Water quality standards based on the classification and best use of waterbody as determined by NYSDEC (6 NYCRR Parts 815, 879, 931).

g: N/A = Not applicable, no state fishery classification; NY Fishery Classifications: T = Trout; TS = Trout Spawning (6 NYCRR 701.25).

h: Construction Windows for cold water fisheries are based on correspondence from S. Tomasik of NYSDEC to Constitution dated March 21, 2014. Section 3.0 includes Stream and Wetland Protection Procedures. Potential timing restrictions reflect dates during which construction activities may occur. Streams with no construction timing restrictions, shown as "N/A" on the Table, do not have timing restrictions for construction based on NYSDEC regulations and consultations. Waterbody-specific assignment of construction window based on in-field consultation with the NYSDEC (see Attachment J - Waterbody and Wetland Impacts Master Table for further detail).

i: I = Wet Open Cut Method; II = Dry Crossing Method, including Flume or Dam and Pump, Cofferdam, or Dry Open Cut for waterbodies that are dry at the time of crossing; Method III = Conventional Bore; IV = HDD, V = Direct Pipe Method. Intermittent waterbodies containing discernible flow at the time of construction will be crossed using a dry crossing method, unless otherwise authorized by applicable regulatory agencies.



Table 3.2-2 Summary of Waterbody Crossings for the Constitution Pipeline - Pipeline Facilities by FERC Classification^{ab}

State	Minor <10 feet	Intermediate >10 - ≤100 feet	Major >100 feet	Total
New York	135	84	1	220

This table has been entirely replaced since the November 2013 submittal.

a: Waterbodies in the workspace but not crossed by the pipeline are not counted in this table as crossings.

b: Waterbodies impacted by access roads are not counted in this table as crossings.

c: For this table, the Bennettsville Creek crossings CH-1A-S010, CH-1A-S010B, CH-1A-S010C, and CH-1A-S010F were counted together as one major crossing.

3.2.2 NYSDEC Protection of Waters



Table 3.2-3 Additional Temporary Workspace Within Wetlands for the Constitution Pipeline^a

ATWS ID #	Township/ Town	County	Start Milepost	End Milepost	Nominal Dimensions ^b (feet)		Area Affected ^c (square feet)	Area Affected ^c (acres)	Existing Land Use ^d	Feature ID	Justification ^e	Additional Justification
					Width	Length						
ATWS 256C	Bainbridge	Chenango	50.18	50.21	50	150	8,080	0.19	OL, PEM	CH-1A-S047, CH-1A-W047	d, i	ATWS at this location is necessary for spoil storage to allow for the reduced construction workspace associated with the waterbody and wetland crossing, as well as storage of spoil generated from the road bore crossing.
ATWS 261A	Masonville	Delaware	51.65	51.68	50	135	6,740	0.15	PFO, UF	DE-1B-W032	d	ATWS is necessary for spoil storage to facilitate the road bore crossing.
ATWS 275	Sidney	Delaware	55.28	55.33	90	250	22,512	0.52	OL, PEM, PFO, UF	DE-1F-W075	n	ATWS is necessary for the HDD entrance pit for the trenchless crossing proposed at this location.
ATWS 393	Davenport	Delaware	81.63	81.75	50	646	46,627	1.07	OL, PEM, UF	DE-1C-W351	n	ATWS will be utilized for spoil storage to allow for the reduced workspace associated with multiple wetland and waterbody crossings and storage of concrete coated pipe needed for construction at this location.
ATWS 427C	Harpersfield	Delaware	90.27	90.28	50	50	2,500	0.06	OL, PEM	DE-1P-W128	i	ATWS will be necessary for equipment and spoil storage to facilitate construction of the road crossing, wetland crossing and crossing of the existing pipeline.
ATWS 427D	Harpersfield	Delaware	90.30	90.32	50	100	5,000	0.11	PEM	DE-1P-W128	i	
ATWS 466C	Summit	Schoharie	101.72	101.75	50	150	7,829	0.18	PFO, UF	SC-1E-W100	d, h, i	ATWS will be utilized for equipment and spoil storage to facilitate the road crossing as well as crossing of the adjacent wetland and waterbody.
ATWS 551	Schoharie	Schoharie	119.58	119.68	26	607	51,100	1.17	AG, OL, PEM	SC-1I-W399	d, r	ATWS is necessary for storage of spoils, equipment and access associated with the Direct Pipe trenchless crossing proposed at this location.

This table has been entirely replaced since the November 2013 submittal.

a: Areas of temporary workspace that are greater than 75 feet within a wetland but do not include ATWS are not included in this table

b: Several ATWS areas are irregularly shaped - dimensions of such areas are approximate.

c: Area shown is the actual area of the ATWS shape, calculated using GIS software. Nominal length x width will only match this area if the ATWS is a perfect rectangle. If the shape is not a perfect rectangle, the nominal length x width will only give approximate area of the shape

d: AG = Agricultural; ID = Industrial; RE = Residential; RD = Roads; OL = Open Land (existing ROW, Open Field, Non-agriculture); PFO = Palustrine Forested Wetlands; PSS = Palustrine Scrub-Shrub Wetlands; PEM = Palustrine Emergent Wetlands; WB = Waterbody; UF = Upland Forest.

e: a=road crossing; b=side slope construction; c=steep slope construction; d=road bore; e=powerline crossing; f=railroad crossing; g=rock outcrop; h=waterbody crossing; i=wetland crossing; j=horizontal bends > 10%; k=swap working side/ crossover; l=utility crossover; m=top soil segregation, n=HDD Crossing, o=hydrotest station, p=spread break, q=dewatering site, r=direct pipe drill crossing.



3.2.2.1 Water Quality Classifications and Standards

3.2.3 Sensitive Surface Waters

3.2.3.1 Cold Water Fisheries

Table 3.2-4 Summary of Waterbodies Containing Cold Water Fisheries Crossed by the Project in New York

County	State Water Quality Standard ^a	Number of Waterbody Crossings ^b	Proposed Crossing Method ^c
Broome	B(T)	6	II
	C(T)	12	II
	C(TS)	4	II
Chenango ^d	C(T)	1	II
	C(T)	1	V
	C(TS)	2	II
Delaware	C(T)	3	II
	C(TS)	29	II
	C(TS)	1	V
Schoharie	C(T)	7	II
	C(TS)	9	II
Total		75	-

This table has been entirely updated since the November 2013 submittal.

a: NY Water Quality Standards Definition: Water quality standards based on the classification and best use of waterbody as determined by NYSDEC (6 NYCRR Parts 815, 879, 931); T = Trout; TS = Trout Spawning (6 NYCRR 701.25).

b: Waterbodies impacted by access roads are not counted in this table as crossings.

c: II = Dry Crossing Method, including Flume and Dam and Pump (Intermittent streams containing discernible flow at the time of construction will be crossed using a dry crossing method); III = Conventional Bore; IV = HDD ; V = Direct Pipe.

d: For this table, the Bennettsville Creek crossings CH-1A-S010, CH-1A-S010B, CH-1A-S010C, and CH-1A-S010F were counted together as one DP crossing.

3.2.3.2 Impaired Waters

3.2.3.3 Public Drinking Water Watersheds

Residents in the Project area in New York mainly depend on private wells as a primary source of drinking water. The proposed alignment crosses an unnamed tributary to the Susquehanna River in Sidney, Delaware County, New York. This tributary (DE-1H-S013) is a Class AA waterbody under the New York State Water Quality Classifications. The tributary (known locally as Collar Brook) flows into The



Pine Hill Reservoirs, owned by the Village of Sidney. According to the *Village of Sidney Annual Drinking Water Report for 2011*, this reservoir supply system is not currently in use for drinking water, but is available for backup, if needed (Village of Sidney 2011). This class AA water is currently being evaluated for a trenchless crossing method for the Project.

The Cobleskill Reservoir system is located within the Village of Cobleskill, Schoharie County, and includes three reservoirs, Dow Reservoir, Smith Reservoir, and the Holding Pond. The proposed alignment crosses the system watershed for 0.81 miles. Two wells located in the Village of Cobleskill also serve as a backup source for the system. This reservoir system serves the Village of Cobleskill and the State University of New York at Cobleskill, which included a combined service population of 6,933 in 2011. The reservoir watershed area is approximately four square miles in size and has a useful storage of approximately 296 million gallons of water. The quality of the water is very good, having low raw water turbidity. The system's treatment facility allows the system to provide the service population with safe, uninterrupted, high quality water (Cobleskill Village Water Department 2011). To ensure protection of the Cobleskill Reservoirs, Constitution incorporated a route deviation (Alternative Route O) that shifts the pipeline alignment away from the reservoirs and the channels of two contributing streams. Within the Barton Hill Natural Resource Protection Overlay, Constitution has sited the pipeline to co-locate with the existing Tennessee Gas Pipeline, associating new ROW with existing ROW. The Location of the pipeline in relation to the reservoirs is included in Table 3.2-4a.

Constitution will implement the measures detailed in section 5.27 of their ECP to avoid impacts to surface and groundwater resources, including (but not limited to):

- Establishment of staging areas for the crew, equipment, hazardous materials, chemicals, fuels, lubricating oils, etc., no closer than 200 feet from a waterbody, sinkhole, spring, or cave entrance;
- To reduce the risk of groundwater contamination, equipment will not be parked overnight, refueled or serviced within 200 feet of any karst feature;
- Fuel storage and refueling areas will not be located upgradient of sinks, dolines or cave entrances;
- Refueling and fuel storage will not occur within areas of karst pavement;
- Full containment for re-fueling will be provided within areas known to be underlain near the surface by limestone or where karst features are known to be present; and Contractors working on pipeline construction will have oil spill mitigation supplies available (such as spill kits) in the event of spills or leaks of hydrocarbon products.
- Store construction waste materials, debris, and excess materials well away from karst terrain;
- Maintain natural waterbody features, such as riffles and pools;
- Limit the removal of riparian vegetation to the extent necessary;
- Revegetate all disturbed areas after construction to reduce soil erosion;
- Apply fertilizers, herbicides, pesticides, or other chemicals no closer than 200 feet from sinkholes, waterbodies, springs, and cave openings; and
- Remove and dispose of all debris and excess construction materials properly upon Project completion.

If Karst Geology is observed, measures outlined in Constitution's Karst Mitigation Plan will be followed. The Karst Mitigation Plan can be viewed in Attachment 15 of the ECP.



Table 3.2-4a Public Water Supply Watershed Areas Crossed by the Constitution Pipeline

County/Township	Surface Water Supply	Crossing Length (miles)	Approximate Distance/ Direction from Pipeline(miles)
New York			
Sidney/Delaware	Pine Hill Reservoirs	0.82	0.64 miles North of MP 54.28
Schoharie/Cobleskill	Cobleskill Reservoir	0.81	1.2 miles Northwest of MP 111.70
Schoharie/Schoharie	Barton Hill Natural Resource Protection Overlay	2.84	0.84 miles southeast of MP 119.08 (closest spring)

This table contains new information that was not submitted in the November 2013 submittal.

Source: USGS topographic mapping and Town of Schoharie Land Use Maps.

3.2.3.4 Floodplains and Flood Hazard Zones

Table 3.2-5 FEMA Flood Hazard Zones Crossed by the Constitution Pipeline in New York

Stream Name	Feature ID	Milepost	Town	County	FEMA Flood Zone
Lander's Creek	CH-1A-S048	45.36-45.37	Afton	Chenango	Zone A SFHA
Carrs Creek	N/A	56.77-56.89	Sidney	Delaware	Zone A SFHA
Ouleout Creek	DE-1P-S129 DE-1P-S129A	60.81-60.82 60.87-60.89	Sidney	Delaware	Zone AE Floodway, Zone AE SFHA, Zone X Flood Area
Schoharie Creek	SC-1Q-S289	119.66-119.97	Schoharie	Schoharie	Zone AE Floodway, Zone AE SFHA, Zone X Flood Area

This table has been entirely updated since the November 2013 submittal.

Source: FEMA 2004, 2010, 2012, and 2013a, b, c, d, e, f.

N/A = Not Available

Note: No aboveground facilities are located within a FEMA Flood Hazard Zone.



3.2.4 Hydrostatic Test Water and Water Withdrawal

Table 3.2-6 Potential Sources of Hydrostatic Test Water for the Constitution Pipeline Project in New York

Potential Source(s)	HUC-8 Watershed	Approximate Withdrawal Milepost	Estimated Potential Quantity of Water Required (Gallons)
Ouleout Creek	Upper Susquehanna (02050101)	60.87	8,359,344
Schoharie Creek	Schoharie (02020005)	119.74	5,688,747
New York Total			14,048,091

This table has been entirely updated since the November 2013 submittal.

3.2.5 Waterbody Construction and Operation Impacts



Table 3.2-7 Waterbodies Crossed Using Trenchless Construction Methods

Waterbody ID	Waterbody Name ^a	Approximate Milepost	Latitude	Longitude	Town / County	Type ^b	Crossing Length (feet) ^c	Water Quality Standard ^d	Fishery Classification ^e	State Fishery Construction Window ^f	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ^g
BR-1J-S170	UNT to Fly Creek	28.96	42.039323	-75.518316	Sanford/Broome	I	3	D	N/A	N/A	No	III
BR-1H-S181A	Road Ditch	34.59	42.103985	-75.474336	Sanford/Broome	E	1	N/A	N/A	N/A	No	III
BR-1B-S181	Road Ditch	34.63	42.104307	-75.474107	Sanford/Broome	I	1	N/A	N/A	N/A	No	III
CH-1C-S010B	Bennettsville Creek	47.73	42.260444	-75.463172	Bainbridge/Chenango	I	31	C(T)	(T)	May 15 - Oct 15	Yes	V
CH-1C-S010C	Bennettsville Creek	47.75	42.260603	-75.463034	Bainbridge/Chenango	I	20	C(T)	(T)	May 15 - Oct 15	Yes	V
CH-1C-S010C	Bennettsville Creek	47.76	42.260750	-75.462906	Bainbridge/Chenango	I	17	C(T)	(T)	May 15 - Oct 15	Yes	V
CH-1A-S010	Bennettsville Creek	47.80	42.261169	-75.462542	Bainbridge/Chenango	P	90	C(T)	(T)	May 15 - Oct 15	Yes	V
CH-1C-S010F	Bennettsville Creek	47.82	42.261486	-75.462266	Bainbridge/Chenango	E	26	C(T)	(T)	May 15 - Oct 15	Yes	V
DE-1H-S028	Road Ditch	51.74	42.278580	-75.394627	Masonville/Delaware	I	3	N/A	N/A	N/A	No	III
DE-1H-S013	UNT to Susquehanna River (Collar Brook)	54.59	42.290996	-75.345867	Sidney/Delaware	P	80	AA	N/A	N/A	Yes	IV
DE-1H-S013	UNT to Susquehanna River (Collar Brook)	54.63	42.291080	-75.345373	Sidney/Delaware	P	70	AA	N/A	N/A	Yes	IV
DE-1M-S075	UNT to Susquehanna River	55.21	42.292978	-75.334250	Sidney/Delaware	E	3	C	N/A	N/A	No	IV
DE-1T-S051	Middle Brook	87.86	42.467660	-74.793038	Davenport/Delaware	P	54	C(TS)	(TS)	N/A (DP) June 1 - Sep 30	Yes	V
SC-1Y-S342	Road Ditch	94.97	42.519113	-74.685430	Summit/Schoharie	I	3	N/A	N/A	N/A	No	III
SC-1C-S280	Road Ditch	96.40	42.527950	-74.661564	Jefferson/Schoharie	E	3	N/A	N/A	N/A	No	III
SC-1C-S187	Road Ditch	110.57	42.638253	-74.456539	Cobleskill/Schoharie	E	3	N/A	N/A	N/A	No	III
SC-1C-S331	UNT to House Creek	110.58	42.638288	-74.456408	Cobleskill/Schoharie	I	3	D	N/A	N/A	No	III
SC-1Q-S289	Schoharie Creek	119.74	42.702126	-74.317182	Schoharie/Schoharie	P	248	C	N/A	N/A (DP) Jul 16 - Feb 28	Yes (Navigable River)	V

This entire table has been updated since the November 2013 submittal

a: UNT: Unnamed Tributary. UNT name was identified based on review of USGS topographical mapping.

b: P = perennial; I = intermittent; POW = open water; E = Ephemeral

c: 0.0 = waterbody is not crossed but is in workspace. For minor waterbodies less than 3 feet in width delineated in the survey area and shown as a single line feature on the Project alignment sheets, an assumed 3 foot width has been used for this analysis.

d: NY Water Quality Standards Definition: Water quality standards based on the classification and best use of waterbody as determined by NYSDEC (6 NYCRR Parts 815, 879, 931).

e: N/A = Not applicable, no state fishery classification; NY Fishery Classifications: T = Trout; TS = Trout Spawning (6 NYCRR 701.25).

f: Construction windows for cold water fisheries are a based on correspondence from S. Tomasik of NYSDEC to Constitution dated March 21, 2014. Section 3.0 includes Stream and Wetland Protection Procedures. Potential timing restrictions reflect dates during which construction activities may occur. Streams with no construction timing restrictions, shown as "N/A" on the Table, do not have timing restrictions for construction based on NYSDEC regulations and consultations. Waterbody-specific assignment of construction window based on in-field consultation with the NYSDEC (see Attachment J - Waterbody and Wetland Impacts Master Table for further detail).

g: Method III = Conventional Bore; IV = HDD; V = Direct Pipe Method. Intermittent waterbodies containing discernible flow at the time of construction will be crossed using a dry crossing method, unless otherwise authorized by applicable regulatory agencies.



3.2.5.1 Waterbody Construction

3.2.5.1.1 General Waterbody Construction Procedures

3.2.5.1.2 Method I – Wet Open Cut

3.2.5.1.3 Method II – Dry Crossings

3.2.5.1.4 Method III – Conventional Bore

3.2.5.1.5 Method IV – Horizontal Directional Drill

3.2.5.1.6 Method V - Direct Pipe Method

3.2.5.1.7 Blasting in Waterbodies

Table 3.2-8 Waterbodies Located in Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline

Wetland/Waterbody ID	Start Milepost	End Milepost
BR-1I-S067	37.41	37.41
	37.41	37.42
DE-1Q-S071	60.37	60.37
DE-1C-S275	70.76	70.76
	70.76	70.76
DE-1P-S125	74.16	74.16
DE-1C-S289	76.81	76.81
DE-1R-S001	87.09	87.09
DE-1C-S117	87.10	87.10
SC-1C-S280	96.40	96.40
SC-1C-S329	97.73	97.73
SC-1A-S370F	97.80	97.80
SC-1E-S102	101.77	101.77
SC-1M-S013	104.08	104.08
SC-1P-S218	105.25	105.25
SC-1P-S218A	105.26	105.27
SC-1G-S249	105.65	105.65
SC-1L-S164	106.18	106.19



Table 3.2-8 Waterbodies Located in Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline

Wetland/Waterbody ID	Start Milepost	End Milepost
SC-1I-S297	106.39	106.39
SC-1J-S298	106.49	106.49
SC-1L-S195	106.55	106.55
SC-1L-S264	106.57	106.57
SC-1C-S271	108.81	108.81
SC-1C-S279	109.13	109.13
SC-1C-S278	109.15	109.15
SC-1I-S280A	109.73	109.73
SC-1C-S186A	110.29	110.29
SC-1C-S332	110.76	110.77
SC-1N-S016	114.52	114.52

This table has been entirely updated since the November 2013 submittal.

3.2.5.1.8 Major Waterbody Crossings

Table 3.2-9 Summary of Major Waterbodies Crossed by the Constitution Pipeline

Town/County	State	Waterbody ID	Waterbody Name	Milepost	Crossing Length	Crossing Method
Schoharie/Schoharie	NY	SC-1Q-S289	Schoharie Creek	119.74	248	Direct Pipe

This table has been entirely updated since the November 2013 submittal.

HDD = Horizontal Directional Drilling

3.2.5.2 Avoidance, Minimization and Mitigation

3.2.5.2.1 Avoidance

3.2.5.2.2 Minimization



Table 3.2-10 Construction Timing Restrictions for Certain Waterbodies Crossed by the Project

Water and Classification	Construction Restriction Window	In-Stream Work Window	Agency
Trout and Trout Spawning	October 1 through May 30	June 1 through September 30 ^a	NYSDEC
Warmwater Fisheries	March 1 through July 15	July 16 through February 28	NYSDEC
Waters of the U.S. ^b	March 1 through June 30	July 1 through February 28	USACE New York District

a: Construction windows for cold water fisheries are based on correspondence from S. Tomasik of NYSDEC to Constitution dated March 21, 2014.

b: For work involving the discharge of fill material within waters of the U.S.

3.2.5.2.3 Mitigation

3.3 WETLANDS



Table 3.3-1 Wetlands Associated with the Constitution Pipeline - New York

Wetland ID ^a	Milepost	Alignment Sheet Drawing Number	Wetland Crossing Site-Specific Drawing Number	Latitude	Longitude	Town	County	Quadrangle	Wetland Class ^b	Crossing Length (feet) ^c	Wetland Impact (acres) ^d										State Wetland Classification ^e	NYSDEC Regulated Wetland (Yes or No)	Crossing Method ^f	
											Construction (=Temporary + Permanent)			Temporary			Operation (=Permanent)							
											PFO	PSS	PEM	PFO	PSS	PEM	PFO (Conv)	PFO (Fill)	PSS (Conv)	PSS (Fill)				PEM (Fill)
WETLANDS ASSOCIATED WITH PIPELINE																								
UPPER SUSQUEHANNA (HUC 02050101)																								
BR-1C-W260	26.54	27	79 of 368	42.01122825	-75.52601238	Sanford	Broome	Gulf Summit	PFO	32	0.05	0.00	0.00	0.02	0.00	0.00	0.03	0.00	0.00	0.00	0.00	N/A	No	II
BR-1C-W217	26.60	27	80 of 368	42.01158996	-75.52648205	Sanford	Broome	Gulf Summit	PFO	138	0.14	0.00	0.00	0.06	0.00	0.00	0.08	0.00	0.00	0.00	0.00	N/A	No	II
	26.60	27	80a of 368	42.0123534	-75.52740091	Sanford	Broome	Gulf Summit	PFO	189	0.24	0.00	0.00	0.11	0.00	0.00	0.13	0.00	0.00	0.00	0.00	N/A	No	II
BR-1S-W216	26.64	27	80a of 368	42.01288107	-75.52797601	Sanford	Broome	Gulf Summit	PSS	21	0.00	0.07	0.00	0.00	0.06	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
UPPER DELAWARE (HUC 02040101)																								
BR-1H-W151	26.81	28	81 of 368	42.01437015	-75.52799001	Sanford	Broome	Gulf Summit	PEM	29	0.00	0.00	0.07	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	N/A	No	II
BR-1C-W263	27.29	28	81a of 368	42.02058223	-75.52572251	Sanford	Broome	Gulf Summit	PEM/PSS	251	0.00	0.33	0.06	0.00	0.29	0.06	0.00	0.00	0.04	0.00	0.00	N/A	No	II
BR-1L-W253	28.24	29	82 of 368	42.03008557	-75.51588883	Sanford	Broome	Gulf Summit	PEM	22	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	N/A	No	II
BR-1H-W211	28.36	29	83 of 368	42.03216778	-75.515472	Sanford	Broome	Gulf Summit	PSS	40	0.00	0.08	0.00	0.00	0.07	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
BR-1J-W210	28.61	30	84 of 368	42.03562194	-75.51620979	Sanford	Broome	Gulf Summit	PEM/PSS	261	0.00	0.01	0.36	0.00	0.01	0.36	0.00	0.00	0.00	0.00	0.00	N/A	No	II
	28.61	30	85 of 368	42.03707189	-75.51593803	Sanford	Broome	Gulf Summit	PSS	43	0.00	0.11	0.00	0.00	0.10	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
BR-1B-W048	28.83	30	86 of 368	42.03780987	-75.51729904	Sanford	Broome	Gulf Summit	PEM	15	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	N/A	No	IV
BR-1H-W206	29.33	30	87 of 368	42.04360995	-75.51531805	Sanford	Broome	Gulf Summit	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
BR-1I-W052	29.81	31	88 of 368	42.05014756	-75.51221633	Sanford	Broome	Gulf Summit	PEM	80	0.00	0.00	0.16	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	N/A	No	II
BR-1C-W268	30.40	31	88a of 368	42.05694963	-75.50679753	Sanford	Broome	Gulf Summit	PFO	0	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
BR-1I-W055	30.47	32	89 of 368	42.05775863	-75.50739847	Sanford	Broome	Gulf Summit	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
BR-1I-W056	30.51	32	90 of 368	42.05797994	-75.5065263	Sanford	Broome	Gulf Summit	PEM	4	0.00	0.00	0.07	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	N/A	No	II
BR-1I-W054B	30.55	32	91 of 368	42.05851797	-75.50574162	Sanford	Broome	Gulf Summit	PEM	67	0.00	0.00	0.09	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	N/A	No	II
BR-1I-W054C	30.55	32	92 of 368	42.05876379	-75.50564575	Sanford	Broome	Gulf Summit	PEM	30	0.00	0.00	0.06	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	N/A	No	II
BR-1B-W057	30.61	32	92-93 of 368	42.05990805	-75.50483441	Sanford	Broome	Gulf Summit	PEM	589	0.00	0.00	0.85	0.00	0.00	0.85	0.00	0.00	0.00	0.00	0.00	N/A	No	II
BR-1K-W172	32.42	33	94 of 368	42.0798238	-75.48676659	Sanford	Broome	Deposit	PFO	153	0.26	0.00	0.00	0.16	0.00	0.00	0.10	0.00	0.00	0.00	0.00	N/A	No	II
BR-1I-W059	33.28	34	95-99 of 368	42.08937241	-75.48065284	Sanford	Broome	Deposit	PFO/PSS/PEM	1,957	0.04	2.50	1.04	0.03	2.09	1.04	0.01	0.00	0.41	0.00	0.00	N/A	No	II
BR-1I-W228	34.38	34	100 of 368	42.10192138	-75.47733115	Sanford	Broome	Deposit	PEM	6	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	II
BR-1I-W226	34.50	34	101 of 368	42.10329338	-75.47585466	Sanford	Broome	Deposit	PSS	40	0.00	0.06	0.00	0.00	0.05	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
BR-1B-W214	34.58	34	102 of 368	42.10384086	-75.47461172	Sanford	Broome	Deposit	PEM	19	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	N/A	No	II
BR-1G-W229	34.66	34	103 of 368	42.10472687	-75.47400723	Sanford	Broome	Deposit	PFO	0	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	N/A
BR-1I-W230	34.76	36	104 of 368	42.10599789	-75.47339557	Sanford	Broome	Deposit	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A



Table 3.3-1 Wetlands Associated with the Constitution Pipeline - New York

Wetland ID ^a	Milepost	Alignment Sheet Drawing Number	Wetland Crossing Site-Specific Drawing Number	Latitude	Longitude	Town	County	Quadrangle	Wetland Class ^b	Crossing Length (feet) ^c	Wetland Impact (acres) ^d										State Wetland Classification ^e	NYSDEC Regulated Wetland (Yes or No)	Crossing Method ^f	
											Construction (=Temporary + Permanent)			Temporary			Operation (=Permanent)							
											PFO	PSS	PEM	PFO	PSS	PEM	PFO (Conv)	PFO (Fill)	PSS (Conv)	PSS (Fill)				PEM (Fill)
BR-1H-W156	34.83	36	105 of 368	42.10761312	-75.47317269	Sanford	Broome	Deposit	PEM/PSS	372	0.00	0.22	0.37	0.00	0.19	0.37	0.00	0.00	0.03	0.00	0.00	N/A	No	II
	34.83	36	106 of 368	42.10957609	-75.47301469	Sanford	Broome	Deposit	PSS	413	0.00	0.55	0.00	0.00	0.46	0.00	0.00	0.00	0.09	0.00	0.00	N/A	No	II
BR-1K-W161	35.23	36	107 of 368	42.112534	-75.47138351	Sanford	Broome	Deposit	PSS	13	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
BR-1K-W162	35.29	36	108 of 368	42.11341416	-75.47085109	Sanford	Broome	Deposit	PEM	12	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	N/A	No	II
BR-1U-W165	35.29	36	108 of 368	42.11430453	-75.47029827	Sanford	Broome	Deposit	PEM	15	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	N/A	No	II
BR-1U-W168	35.61	37	109 of 368	42.11728773	-75.46785844	Sanford	Broome	Deposit	PEM/PSS	58	0.00	0.05	0.05	0.00	0.04	0.05	0.00	0.00	0.01	0.00	0.00	N/A	No	II
BR-1I-W062	35.87	37	110 of 368	42.12094286	-75.46677161	Sanford	Broome	Deposit	PSS/PEM	256	0.00	0.33	0.12	0.00	0.29	0.12	0.00	0.00	0.04	0.00	0.00	N/A	No	II
BR-1B-W064	35.97	37	111 of 368	42.12203627	-75.4663752	Sanford	Broome	Deposit	PEM	133	0.00	0.00	0.23	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	N/A	No	II
	35.97	37	112 of 368	42.12365049	-75.46560644	Sanford	Broome	Deposit	PSS	0	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
	35.97	37	113 of 368	42.12444165	-75.46527874	Sanford	Broome	Deposit	PSS	24	0.00	0.07	0.00	0.00	0.06	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
BR-1B-W066	36.28	37	114 of 368	42.12625091	-75.46388824	Sanford	Broome	North Sanford	PSS/PFO	243	0.23	0.18	0.00	0.16	0.15	0.00	0.07	0.00	0.03	0.00	0.00	N/A	No	II
BR-1H-W174	36.62	37	115-116 of 368	42.13078562	-75.46300172	Sanford	Broome	North Sanford	PFO/PSS	0	0.01	0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	NS-1, Class II	Yes	N/A
BR-1I-W070	37.84	39	117 of 368	42.14534133	-75.47341501	Sanford	Broome	North Sanford	PSS	246	0.00	0.39	0.00	0.00	0.33	0.00	0.00	0.00	0.06	0.00	0.00	N/A	No	II
BR-1B-W074	38.05	39	118 of 368	42.14745334	-75.47574378	Sanford	Broome	North Sanford	PEM	15	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	N/A	No	II
BR-1I-W073	38.09	39	119 of 368	42.14809888	-75.47648939	Sanford	Broome	North Sanford	PFO/PSS	263	0.20	0.20	0.00	0.12	0.17	0.00	0.08	0.00	0.03	0.00	0.00	N/A	No	II
BR-1C-W075	38.19	39	120 of 368	42.14946229	-75.47807679	Sanford	Broome	North Sanford	PFO/PSS	112	0.21	0.01	0.00	0.13	0.01	0.00	0.08	0.00	0.00	0.00	0.00	N/A	No	II
BR-1B-W076	38.37	39	121 of 368	42.15072334	-75.4796603	Sanford	Broome	North Sanford	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
BR-1B-W077	38.37	39	121 of 368	42.15092757	-75.47972042	Sanford	Broome	North Sanford	PFO	18	0.03	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	II
BR-1B-W078	38.37	39	121 of 368	42.15174091	-75.48065258	Sanford	Broome	North Sanford	PEM	27	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	N/A	No	II
BR-1B-W079	38.48	39	122-123 of 368	42.15309572	-75.4821745	Sanford	Broome	North Sanford	PEM/PFO	698	0.11	0.00	1.18	0.09	0.00	1.18	0.02	0.00	0.00	0.00	0.00	N/A	No	II
BR-1H-W240	38.68	40	124 of 368	42.15494327	-75.48415474	Sanford	Broome	North Sanford	PFO	286	0.51	0.00	0.00	0.32	0.00	0.00	0.19	0.00	0.00	0.00	0.00	N/A	No	II
BR-1H-W243	38.83	40	125 of 368	42.15621616	-75.48538092	Sanford	Broome	North Sanford	PFO/PSS	78	0.05	0.06	0.00	0.04	0.05	0.00	0.01	0.00	0.01	0.00	0.00	N/A	No	II
BR-1Q-W242	38.83	40	125 of 368	42.15689317	-75.48613862	Sanford	Broome	North Sanford	PSS	24	0.00	0.14	0.00	0.00	0.13	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
BR-1Q-W241	38.98	40	126 of 368	42.15763405	-75.48717875	Sanford	Broome	North Sanford	PFO	0	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
BR-1C-W180	39.04	40	127-128 of 368	42.15907007	-75.48847829	Sanford	Broome	North Sanford	PFO/PEM	338	0.48	0.00	0.11	0.27	0.00	0.11	0.21	0.00	0.00	0.00	0.00	N/A	No	II
BR-1C-W182	39.23	40	129 of 368	42.16067858	-75.49009267	Sanford	Broome	North Sanford	PEM	50	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	N/A	No	II
BR-1C-W251	39.71	41	130 of 368	42.16633818	-75.49535555	Sanford	Broome	North Sanford	PFO	1	0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	II
UPPER SUSQUEHANNA (HUC 02050101)																								
BR-1T-W160C	40.45	41	131-132 of 368	42.17507084	-75.50397837	Sanford	Broome	Afton	PEM	104	0.00	0.00	0.12	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	N/A	No	II



Table 3.3-1 Wetlands Associated with the Constitution Pipeline - New York

Wetland ID ^a	Milepost	Alignment Sheet Drawing Number	Wetland Crossing Site-Specific Drawing Number	Latitude	Longitude	Town	County	Quadrangle	Wetland Class ^b	Crossing Length (feet) ^c	Wetland Impact (acres) ^d										State Wetland Classification ^e	NYSDEC Regulated Wetland (Yes or No)	Crossing Method ^f	
											Construction (=Temporary + Permanent)			Temporary			Operation (=Permanent)							
											PFO	PSS	PEM	PFO	PSS	PEM	PFO (Conv)	PFO (Fill)	PSS (Conv)	PSS (Fill)				PEM (Fill)
BR-1C-W081	40.62	41	133 of 368	42.17672169	-75.50506648	Sanford	Broome	Afton	PFO/PSS/PEM	71	0.16	0.01	0.04	0.11	0.01	0.04	0.05	0.00	0.00	0.00	0.00	N/A	No	II
BR-1B-W083	40.86	42	134 of 368	42.17955178	-75.50851411	Sanford	Broome	Afton	PEM	187	0.00	0.00	0.39	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	N/A	No	II, IV
BR-1I-W233	41.05	42	135 of 368	42.18049696	-75.51169608	Sanford	Broome	Afton	PFO/PEM	367	0.01	0.00	0.62	0.00	0.00	0.62	0.01	0.00	0.00	0.00	0.00	N/A	No	II
	41.05	42	136 of 368	42.18190307	-75.51267088	Sanford	Broome	Afton	PFO	261	0.42	0.00	0.00	0.24	0.00	0.00	0.18	0.00	0.00	0.00	0.00	N/A	No	II
BR-1G-W234	41.30	42	137 of 368	42.18325719	-75.51323469	Sanford	Broome	Afton	PFO	0	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
BR-1I-W236	41.36	42	138 of 368	42.18407376	-75.5132588	Sanford	Broome	Afton	PFO	15	0.04	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	N/A	No	II
BR-1C-W184	41.46	43	139 of 368	42.18557811	-75.51300797	Sanford	Broome	Afton	PFO/PSS	103	0.07	0.08	0.00	0.03	0.07	0.00	0.04	0.00	0.01	0.00	0.00	N/A	No	II
BR-1X-W179	41.52	43	140 of 368	42.18635859	-75.51295136	Sanford	Broome	Afton	PEM	15	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	N/A	No	II
BR-1X-W192	41.66	43	141 of 368	42.18980788	-75.51192985	Sanford	Broome	Afton	PFO/PSS	244	0.22	0.32	0.00	0.19	0.27	0.00	0.03	0.00	0.05	0.00	0.00	N/A	No	II
	41.68	43	142 of 368	42.18980788	-75.51192985	Sanford	Broome	Afton	PFO/PSS	463	0.44	0.25	0.00	0.22	0.22	0.00	0.22	0.00	0.03	0.00	0.00	N/A	No	II
	41.68	43	142a of 368	42.18980788	-75.51192985	Sanford	Broome	Afton	PFO	191	0.25	0.00	0.00	0.13	0.00	0.00	0.12	0.00	0.00	0.00	0.00	N/A	No	II
BR-1X-W215	41.97	43	142b of 368	42.19170266	-75.50963788	Sanford	Broome	Afton	PFO/PEM	65	0.01	0.00	0.11	0.01	0.00	0.11	0.00	0.00	0.00	0.00	0.00	N/A	No	II
BR-1L-W250	42.22	43	143 of 368	42.19458857	-75.5067438	Sanford	Broome	Afton	PEM	115	0.00	0.00	0.20	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	N/A	No	II
CH-1A-W064	42.33	43	144 of 368	42.19544778	-75.5052665	Afton	Chenango	Afton	PFO	0	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
CH-1H-W021	42.47	44	145 of 368	42.19694451	-75.5045309	Afton	Chenango	Afton	PSS	68	0.00	0.12	0.00	0.00	0.10	0.00	0.00	0.00	0.02	0.00	0.00	N/A	No	II
CH-1G-W062	42.61	44	146 of 368	42.19894446	-75.5055494	Afton	Chenango	Afton	PSS	83	0.00	0.17	0.00	0.00	0.15	0.00	0.00	0.00	0.02	0.00	0.00	N/A	No	II
CH-1H-W022	42.70	44	147 of 368	42.20003787	-75.5058985	Afton	Chenango	Afton	PSS/PEM	218	0.00	0.02	0.30	0.00	0.01	0.30	0.00	0.00	0.01	0.00	0.00	N/A	No	II
CH-1G-W050	42.74	44	148 of 368	42.20087791	-75.50594546	Afton	Chenango	Afton	PEM	165	0.00	0.00	0.20	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	N/A	No	II
CH-1H-W023	42.82	44	149 of 368	42.20177098	-75.50601116	Afton	Chenango	Afton	PFO	47	0.07	0.00	0.00	0.04	0.00	0.00	0.03	0.00	0.00	0.00	0.00	N/A	No	II
CH-1C-W075	43.54	44	150 of 368	42.21162202	-75.50098512	Afton	Chenango	Afton	PEM	457	0.00	0.00	0.77	0.00	0.00	0.77	0.00	0.00	0.00	0.00	0.00	N/A	No	II
CH-1J-W045B	43.71	45	151 of 368	42.21439257	-75.50035816	Afton	Chenango	Afton	PFO/PSS	559	0.87	0.17	0.00	0.53	0.15	0.00	0.34	0.00	0.02	0.00	0.00	N/A	No	II
CH-1J-W045C	43.86	45	152 of 368	42.2158079	-75.50031984	Afton	Chenango	Afton	PFO	253	0.50	0.00	0.00	0.33	0.00	0.00	0.17	0.00	0.00	0.00	0.00	N/A	No	II
CH-1C-W014	44.74	46	153 of 368	42.22786112	-75.49711437	Afton	Chenango	North Sanford	PFO	0	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	N/A
CH-1A-W056	45.16	46	154 of 368	42.23267605	-75.49077597	Afton	Chenango	North Sanford	PFO/PSS	393	0.10	0.57	0.00	0.07	0.49	0.00	0.03	0.00	0.08	0.00	0.00	N/A	No	II
CH-1C-W073	45.35	47	155 of 368	42.23453482	-75.48941852	Afton	Chenango	North Sanford	PFO	0	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
CH-1X-W072	45.80	47	156 of 368	42.23859818	-75.48262025	Afton	Chenango	North Sanford	PFO	0	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
CH-1X-W071	46.03	47	157-157a of 368	42.24003018	-75.47739844	Afton	Chenango	North Sanford	PEM	97	0.00	0.00	0.20	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	N/A	No	II
CH-1X-W069	46.36	48	158 of 368	42.24271705	-75.47451602	Afton	Chenango	North Sanford	PEM	0	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
CH-1X-W067	46.36	48	158 of 368	42.24298011	-75.47442702	Afton	Chenango	North Sanford	PSS	21	0.00	0.03	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II



Table 3.3-1 Wetlands Associated with the Constitution Pipeline - New York

Wetland ID ^a	Milepost	Alignment Sheet Drawing Number	Wetland Crossing Site-Specific Drawing Number	Latitude	Longitude	Town	County	Quadrangle	Wetland Class ^b	Crossing Length (feet) ^c	Wetland Impact (acres) ^d										State Wetland Classification ^e	NYSDEC Regulated Wetland (Yes or No)	Crossing Method ^f		
											Construction (=Temporary + Permanent)			Temporary			Operation (=Permanent)								
											PFO	PSS	PEM	PFO	PSS	PEM	PFO (Conv)	PFO (Fill)	PSS (Conv)	PSS (Fill)				PEM (Fill)	
CH-1X-W066	46.45	48	159 of 368	42.24426522	-75.47361687	Afton	Chenango	North Sanford	PEM	84	0.00	0.00	0.13	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	N/A	No	II	
CH-1Q-W038	46.68	48	160 of 368	42.24685322	-75.47146556	Afton	Chenango	North Sanford	PFO	56	0.05	0.00	0.00	0.02	0.00	0.00	0.03	0.00	0.00	0.00	0.00	N/A	No	II	
CH-1Q-W040	46.77	48	161 of 368	42.24819913	-75.47091733	Afton	Chenango	North Sanford	PFO	55	0.09	0.00	0.00	0.05	0.00	0.00	0.04	0.00	0.00	0.00	0.00	N/A	No	II	
CH-1C-W043	46.87	48	163 of 368	42.24955787	-75.47007745	Afton	Chenango	North Sanford	PFO	0	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A	
CH-1C-W017	47.39	49	164 of 368	42.25635653	-75.46622537	Afton	Chenango	Sidney	PEM	0	0.00	0.00	0.06	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A	
CH-1C-W018	47.49	49	165 of 368	42.25844448	-75.46555585	Afton	Chenango	Sidney	PEM	343	0.00	0.00	0.46	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.00	N/A	No	II	
CH-1H-W025	48.10	49	166 of 368	42.26396443	-75.45790809	Bainbridge	Chenango	Sidney	PEM	9	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	IV	
CH-1B-W026	48.32	49	168 of 368	42.26530115	-75.45348273	Bainbridge	Chenango	Sidney	PEM/PFO/PSS	421	0.64	0.03	0.01	0.36	0.02	0.01	0.28	0.00	0.01	0.00	0.00	N/A	No	II	
CH-1B-W028	48.44	50	169 of 368	42.26611788	-75.45236152	Bainbridge	Chenango	Sidney	PFO	91	0.24	0.00	0.00	0.17	0.00	0.00	0.07	0.00	0.00	0.00	0.00	N/A	No	II	
CH-1B-W027	48.77	50	170 of 368	42.26946187	-75.44773323	Bainbridge	Chenango	Sidney	PFO	54	0.12	0.00	0.00	0.08	0.00	0.00	0.04	0.00	0.00	0.00	0.00	N/A	No	II	
CH-1X-W034	49.27	50	171 of 368	42.27451956	-75.44102468	Bainbridge	Chenango	Sidney	PFO	81	0.12	0.00	0.00	0.08	0.00	0.00	0.04	0.00	0.00	0.00	0.00	N/A	No	II	
	49.27	50	172 of 368	42.27557167	-75.43909037	Bainbridge	Chenango	Sidney	PFO	15	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	N/A	No	II	
CH-1C-W051	49.73	51	173 of 368	42.27671837	-75.43250548	Bainbridge	Chenango	Sidney	PFO	317	0.49	0.00	0.00	0.29	0.00	0.00	0.20	0.00	0.00	0.00	0.00	N/A	No	II	
CH-1S-W052	49.93	51	174-175 of 368	42.27738023	-75.42749761	Bainbridge	Chenango	Sidney	PFO	1,169	2.00	0.00	0.00	1.20	0.00	0.00	0.80	0.00	0.00	0.00	0.00	N/A	No	II	
CH-1A-W047	50.21	51	176 of 368	42.27739841	-75.42428465	Bainbridge	Chenango	Sidney	PEM	148	0.00	0.00	0.44	0.00	0.00	0.44	0.00	0.00	0.00	0.00	0.00	N/A	No	II	
CH-1A-W048	50.21	51	176 of 368	42.27743384	-75.42320988	Bainbridge	Chenango	Sidney	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A	
CH-1A-W049	50.31	51	177 of 368	42.27754599	-75.42217029	Bainbridge	Chenango	Sidney	PFO	71	0.10	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.00	N/A	No	II	
CH-1A-W050	50.56	52	178 of 368	42.27767229	-75.41682067	Bainbridge	Chenango	Sidney	PFO	289	0.50	0.00	0.00	0.30	0.00	0.00	0.20	0.00	0.00	0.00	0.00	N/A	No	II	
DE-1B-W025	50.63	52	179 of 368	42.27770321	-75.41555126	Masonville	Delaware	Sidney	PFO	111	0.19	0.00	0.00	0.11	0.00	0.00	0.08	0.00	0.00	0.00	0.00	N/A	No	II	
DE-1H-W026	50.95	52	180 of 368	42.27783533	-75.40966193	Masonville	Delaware	Sidney	PEM	0	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A	
DE-1B-W027	51.02	52	181 of 368	42.2780204	-75.40789782	Masonville	Delaware	Sidney	PFO	101	0.25	0.00	0.00	0.17	0.00	0.00	0.08	0.00	0.00	0.00	0.00	N/A	No	II	
DE-1H-W028	51.10	52	182 of 368	42.2781654	-75.40644677	Masonville	Delaware	Sidney	PEM/PFO	48	0.02	0.00	0.02	0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00	N/A	No	II	
	51.10	52	182 of 368	42.27809009	-75.40680559	Masonville	Delaware	Sidney	PFO	46	0.10	0.00	0.00	0.06	0.00	0.00	0.04	0.00	0.00	0.00	0.00	N/A	No	II	
DE-1H-W030	51.20	52	183 of 368	42.27859064	-75.40450006	Masonville	Delaware	Sidney	PFO	223	0.34	0.00	0.00	0.18	0.00	0.00	0.16	0.00	0.00	0.00	0.00	N/A	No	II	
DE-1B-W032	51.66	53	184 of 368	42.27844362	-75.39593279	Masonville	Delaware	Sidney	PFO	0	0.11	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A	
DE-1B-W033	51.66	53	184 of 368	42.27848124	-75.39541426	Masonville	Delaware	Sidney	PFO	0	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A	
DE-1H-W034	51.66	53	184 of 368	42.27866144	-75.3958351	Masonville	Delaware	Sidney	PFO	0	0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	N/A	
DE-1K-W227	52.27	53	185 of 368	42.2826486	-75.38576	Masonville	Delaware	Sidney	PSS	218	0.00	0.45	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.05	0.00	0.00	N/A	No	II
DE-1H-W035	52.36	54	186 of 368	42.28356235	-75.38505288	Sidney	Delaware	Sidney	PEM	39	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	N/A	No	II	
DE-1B-W037	52.44	54	187 of 368	42.28448433	-75.38396256	Sidney	Delaware	Sidney	PFO	0	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A	



Table 3.3-1 Wetlands Associated with the Constitution Pipeline - New York

Wetland ID ^a	Milepost	Alignment Sheet Drawing Number	Wetland Crossing Site-Specific Drawing Number	Latitude	Longitude	Town	County	Quadrangle	Wetland Class ^b	Crossing Length (feet) ^c	Wetland Impact (acres) ^d										State Wetland Classification ^e	NYSDEC Regulated Wetland (Yes or No)	Crossing Method ^f	
											Construction (=Temporary + Permanent)			Temporary			Operation (=Permanent)							
											PFO	PSS	PEM	PFO	PSS	PEM	PFO (Conv)	PFO (Fill)	PSS (Conv)	PSS (Fill)				PEM (Fill)
DE-1B-W046	53.99	55	188 of 368	42.28908238	-75.35723645	Sidney	Delaware	Unadilla	PFO/PEM	60	0.11	0.00	0.01	0.07	0.00	0.01	0.04	0.00	0.00	0.00	0.00	N/A	No	II
DE-1X-W158	54.43	56	189-192 of 368	42.29119047	-75.34465741	Sidney	Delaware	Unadilla	PFO/PEM	2,003	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	V
DE-1F-W075	55.17	56	193 of 368	42.29295345	-75.33405152	Sidney	Delaware	Unadilla	PFO	192	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	V
DE-1K-W228	55.35	57	194 of 368	42.29347166	-75.33167356	Sidney	Delaware	Unadilla	PFO	16	0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	II
DE-1C-W229	55.67	57	195 of 368	42.29529315	-75.32537445	Sidney	Delaware	Unadilla	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1M-W079	55.87	57	196 of 368	42.29544093	-75.32172032	Sidney	Delaware	Unadilla	PEM	88	0.00	0.00	0.18	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1M-W080	55.95	57	197 of 368	42.29594217	-75.32063572	Sidney	Delaware	Unadilla	PEM	181	0.00	0.00	0.24	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1D-W215	56.36	58	198 of 368	42.2979657	-75.31378898	Sidney	Delaware	Unadilla	PEM	36	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1Y-W085	57.05	58	199 of 368	42.30752918	-75.3081763	Sidney	Delaware	Unadilla	PFO/PEM	351	0.13	0.00	0.37	0.07	0.00	0.37	0.06	0.00	0.00	0.00	0.00	N/A	No	II
DE-1M-W088	57.21	58	200 of 368	42.3088994	-75.30696727	Sidney	Delaware	Unadilla	PEM	8	0.00	0.00	0.07	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1C-W211	57.91	59	201 of 368	42.31731574	-75.29781472	Sidney	Delaware	Unadilla	PFO/PSS	513	0.46	0.43	0.00	0.28	0.37	0.00	0.18	0.00	0.06	0.00	0.00	N/A	No	II
	57.91	59	202 of 368	42.31845909	-75.29606221	Sidney	Delaware	Unadilla	PFO/PSS	517	0.08	0.76	0.00	0.02	0.66	0.00	0.06	0.00	0.10	0.00	0.00	N/A	No	II
	57.91	59	203 of 368	42.31956962	-75.29434218	Sidney	Delaware	Unadilla	PSS	273	0.00	0.43	0.00	0.00	0.37	0.00	0.00	0.00	0.06	0.00	0.00	N/A	No	II
DE-1C-W223	58.34	60	204 of 368	42.32122207	-75.29148916	Sidney	Delaware	Unadilla	PEM/PSS	395	0.00	0.21	0.40	0.00	0.18	0.40	0.00	0.00	0.03	0.00	0.00	N/A	No	II
DE-1K-W232	58.45	60	205 of 368	42.32201562	-75.28990005	Sidney	Delaware	Unadilla	PFO	0	0.07	0.00	0.00	0.06	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1K-W233	58.55	60	206-207 of 368	42.32372891	-75.2877176	Sidney	Delaware	Unadilla	PFO/PSS	659	0.99	0.28	0.00	0.63	0.24	0.00	0.36	0.00	0.04	0.00	0.00	N/A	No	II
DE-1C-W234	58.86	60	208 of 368	42.3259427	-75.28471297	Sidney	Delaware	Unadilla	PFO	86	0.19	0.00	0.00	0.13	0.00	0.00	0.06	0.00	0.00	0.00	0.00	N/A	No	II
DE-1M-W094	59.55	61	209 of 368	42.33279346	-75.27488963	Sidney	Delaware	Unadilla	PSS	218	0.00	0.33	0.00	0.00	0.28	0.00	0.00	0.00	0.05	0.00	0.00	N/A	No	II
DE-1M-W095	59.64	61	210 of 368	42.33314167	-75.27349463	Sidney	Delaware	Unadilla	PSS	0	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1M-W096	59.64	61	210 of 368	42.33359242	-75.27279882	Sidney	Delaware	Unadilla	PSS	0	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1N-W101	59.81	61	211 of 368	42.33444842	-75.26979947	Sidney	Delaware	Unadilla	PEM	141	0.00	0.00	0.41	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1C-W205	60.37	61	212 of 368	42.33706598	-75.26022613	Sidney	Delaware	Unadilla	PSS	120	0.00	0.19	0.00	0.00	0.16	0.00	0.00	0.00	0.03	0.00	0.00	N/A	No	II
DE-1W-W132	60.55	62	213 of 368	42.33841528	-75.25735431	Sidney	Delaware	Unadilla	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1P-W133	60.66	62	214 of 368	42.33947412	-75.25599586	Sidney	Delaware	Unadilla	PEM	62	0.00	0.00	0.10	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1P-W134	60.81	62	215 of 368	42.34154535	-75.25501191	Sidney	Delaware	Unadilla	PEM	39	0.00	0.00	0.07	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1Q-W105	61.08	62	216 of 368	42.34468959	-75.25187333	Sidney	Delaware	Unadilla	PEM	139	0.00	0.00	0.22	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1Q-W110	61.38	63	217 of 368	42.34763317	-75.24723643	Sidney	Delaware	Franklin	PFO/PSS	343	0.01	0.54	0.00	0.01	0.46	0.00	0.00	0.00	0.08	0.00	0.00	N/A	No	II
DE-1A-W478	61.66	63	217a of 368	42.3506047	-75.24430448	Sidney	Delaware	Franklin	PEM	16	0.00	0.00	0.09	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1A-W475	62.42	63	217b of 368	42.35451164	-75.23172786	Sidney	Delaware	Franklin	PFO	10	0.05	0.00	0.00	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	II
DE-1A-W476	62.42	63	217b of 368	42.35448199	-75.23149915	Sidney	Delaware	Franklin	PFO	0	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A



Table 3.3-1 Wetlands Associated with the Constitution Pipeline - New York

Wetland ID ^a	Milepost	Alignment Sheet Drawing Number	Wetland Crossing Site-Specific Drawing Number	Latitude	Longitude	Town	County	Quadrangle	Wetland Class ^b	Crossing Length (feet) ^c	Wetland Impact (acres) ^d										State Wetland Classification ^e	NYSDEC Regulated Wetland (Yes or No)	Crossing Method ^f	
											Construction (=Temporary + Permanent)			Temporary			Operation (=Permanent)							
											PFO	PSS	PEM	PFO	PSS	PEM	PFO (Conv)	PFO (Fill)	PSS (Conv)	PSS (Fill)				PEM (Fill)
DE-1A-W473	62.52	63	217c of 368	42.35517171	-75.22972093	Sidney	Delaware	Franklin	PFO	160	0.26	0.00	0.00	0.15	0.00	0.00	0.11	0.00	0.00	0.00	0.00	N/A	No	II
DE-1S-W255	63.10	65	218 of 368	42.35614197	-75.2181694	Sidney	Delaware	Franklin	PEM	346	0.00	0.00	0.55	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1X-W285	63.75	65	219 of 368	42.35703	-75.20630123	Sidney	Delaware	Franklin	PFO	150	0.29	0.00	0.00	0.18	0.00	0.00	0.11	0.00	0.00	0.00	0.00	N/A	No	II
DE-1D-W284	63.98	65	220 of 368	42.35711122	-75.2022734	Sidney	Delaware	Franklin	PFO	3	0.03	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	II
DE-1D-W283	64.09	66	221 of 368	42.35709002	-75.19955816	Sidney	Delaware	Franklin	PFO	202	0.25	0.00	0.00	0.13	0.00	0.00	0.12	0.00	0.00	0.00	0.00	N/A	No	II
DE-1A-W281A	65.02	66	222 of 368	42.36325293	-75.18386709	Franklin	Delaware	Franklin	PSS	0	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1S-W021	65.23	67	223 of 368	42.36521851	-75.18040769	Franklin	Delaware	Franklin	PEM	67	0.00	0.00	0.12	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1M-W175	66.26	67	224 of 368	42.37305972	-75.16289866	Franklin	Delaware	Franklin	PEM/PFO	576	0.61	0.00	0.33	0.35	0.00	0.33	0.26	0.00	0.00	0.00	0.00	N/A	No	II
DE-1C-W364	66.74	67	225 of 368	42.37450922	-75.15433155	Franklin	Delaware	Franklin	PEM	203	0.00	0.00	0.36	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1C-W363	66.83	67	226 of 368	42.37496642	-75.15276105	Franklin	Delaware	Otego	PEM/PSS	406	0.00	0.28	0.39	0.00	0.24	0.39	0.00	0.00	0.04	0.00	0.00	N/A	No	II
	66.83	67	226a of 368	42.37533193	-75.15140908	Franklin	Delaware	Otego	PEM/PSS	380	0.00	0.61	0.00	0.00	0.52	0.00	0.00	0.00	0.09	0.00	0.00	N/A	No	II
DE-1X-W282	67.72	69	227 of 368	42.3801138	-75.1367146	Franklin	Delaware	Otego	PFO	181	0.36	0.00	0.00	0.24	0.00	0.00	0.12	0.00	0.00	0.00	0.00	N/A	No	II
DE-1A-W374	68.26	70	227a of 368	42.383706	-75.1274906	Franklin	Delaware	Otego	PFO	52	0.06	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	N/A	No	II
DE-1A-W373	68.26	70	227a of 368	42.383706	-75.1274906	Franklin	Delaware	Otego	PFO	77	0.10	0.00	0.00	0.06	0.00	0.00	0.04	0.00	0.00	0.00	0.00	N/A	No	II
DE-1C-W332	69.41	71	228 of 368	42.38821782	-75.10702153	Franklin	Delaware	Oneonta	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1C-W329	70.77	72	229 of 368	42.40335185	-75.09169774	Franklin	Delaware	Oneonta	PEM/PFO	259	0.42	0.00	0.14	0.25	0.00	0.14	0.17	0.00	0.00	0.00	0.00	N/A	No	II
DE-1P-W067	70.86	73	230 of 368	42.40370857	-75.09051546	Franklin	Delaware	Oneonta	PEM	51	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1W-W069	70.86	73	230 of 368	42.40377562	-75.08999173	Franklin	Delaware	Oneonta	PSS	12	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
DE-1W-W065	70.86	73	230 of 368	42.40371305	-75.08920544	Franklin	Delaware	Oneonta	PSS	48	0.00	0.09	0.00	0.00	0.08	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
DE-1P-W071	71.34	73	231 of 368	42.40626652	-75.08317177	Franklin	Delaware	Oneonta	PFO	0	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1W-W073	71.74	73	232-233 of 368	42.40901779	-75.07525279	Franklin	Delaware	Oneonta	PEM/PFO	697	1.11	0.00	0.04	0.65	0.00	0.04	0.46	0.00	0.00	0.00	0.00	N/A	No	II
DE-1B-W270	72.90	75	233a of 368	42.419845	-75.061535	Franklin	Delaware	Oneonta	PFO	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ON-3, Class II	Yes	N/A
DE-1P-W074	73.32	75	234 of 368	42.41854852	-75.05260014	Franklin	Delaware	Oneonta	PSS	221	0.00	0.32	0.00	0.00	0.27	0.00	0.00	0.00	0.05	0.00	0.00	ON-4, Class II	Yes	II
DE-1W-W075	73.32	75	234 of 368	42.41844583	-75.05157872	Franklin	Delaware	Oneonta	PEM	54	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1W-W125	73.45	75	235 of 368	42.41813512	-75.04951074	Franklin	Delaware	Oneonta	PFO	397	0.76	0.00	0.00	0.49	0.00	0.00	0.27	0.00	0.00	0.00	0.00	ON-4, Class II	Yes	II
DE-1W-W126	74.26	76	236 of 368	42.4187526	-75.03521654	Davenport	Delaware	Oneonta	PFO	104	0.15	0.00	0.00	0.08	0.00	0.00	0.07	0.00	0.00	0.00	0.00	N/A	No	II
DE-1W-W127	75.10	77	236a of 368	42.423269	-75.020255	Davenport	Delaware	Oneonta	PEM	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ON-5, Class II	Yes	N/A



Table 3.3-1 Wetlands Associated with the Constitution Pipeline - New York

Wetland ID ^a	Milepost	Alignment Sheet Drawing Number	Wetland Crossing Site-Specific Drawing Number	Latitude	Longitude	Town	County	Quadrangle	Wetland Class ^b	Crossing Length (feet) ^c	Wetland Impact (acres) ^d										State Wetland Classification ^e	NYSDEC Regulated Wetland (Yes or No)	Crossing Method ^f	
											Construction (=Temporary + Permanent)			Temporary			Operation (=Permanent)							
											PFO	PSS	PEM	PFO	PSS	PEM	PFO (Conv)	PFO (Fill)	PSS (Conv)	PSS (Fill)				PEM (Fill)
DE-1C-W331	75.29	77	237 of 368	42.42260025	-75.01681081	Davenport	Delaware	Oneonta	PEM	25	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1C-W371	75.84	78	237a of 368	42.41958154	-75.00715255	Davenport	Delaware	Oneonta	PSS	0	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	N/A	Article 15 Reg'd	N/A
DE-1C-W376	76.72	78	237b of 368	42.42226051	-74.99027323	Davenport	Delaware	West Davenport	PFO	196	0.21	0.00	0.00	0.08	0.00	0.00	0.13	0.00	0.00	0.00	0.00	N/A	No	II
DE-1M-W154	76.81	79	238 of 368	42.42268967	-74.98855633	Davenport	Delaware	West Davenport	PFO	164	0.32	0.00	0.00	0.22	0.00	0.00	0.10	0.00	0.00	0.00	0.00	N/A	No	II
DE-1B-W327	78.04	80	238a of 368	42.42332681	-74.96536944	Davenport	Delaware	West Davenport	PFO/PEM	115	0.16	0.00	0.01	0.09	0.00	0.01	0.07	0.00	0.00	0.00	0.00	N/A	No	II
DE-1A-W248A	78.27	80	239 of 368	42.42325967	-74.96093592	Davenport	Delaware	West Davenport	PEM	20	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1L-W250	78.47	80	240 of 368	42.42287731	-74.95428781	Davenport	Delaware	West Davenport	PSS	224	0.00	0.43	0.00	0.00	0.38	0.00	0.00	0.00	0.05	0.00	0.00	N/A	No	II
	78.47	80	241 of 368	42.42311642	-74.95621212	Davenport	Delaware	West Davenport	PSS	511	0.00	0.84	0.00	0.00	0.72	0.00	0.00	0.00	0.12	0.00	0.00	N/A	No	II
DE-1L-W252	78.72	80	242 of 368	42.42266613	-74.95242301	Davenport	Delaware	West Davenport	PSS	0	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1L-W303	79.01	81	243 of 368	42.42222273	-74.94643077	Davenport	Delaware	West Davenport	PFO	110	0.18	0.00	0.00	0.11	0.00	0.00	0.07	0.00	0.00	0.00	0.00	N/A	No	II
DE-1L-W304	79.01	81	243 of 368	42.42237854	-74.94684382	Davenport	Delaware	West Davenport	PFO	38	0.03	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	N/A	No	II
DE-1L-W305	79.01	81	243 of 368	42.42196484	-74.94571876	Davenport	Delaware	West Davenport	PFO	0	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1L-W306	79.01	81	243 of 368	42.42197637	-74.94499525	Davenport	Delaware	West Davenport	PFO	0	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1M-W148	79.77	81	244 of 368	42.4253051	-74.93357244	Davenport	Delaware	West Davenport	PFO	104	0.13	0.00	0.00	0.05	0.00	0.00	0.08	0.00	0.00	0.00	0.00	N/A	No	II
DE-1P-W149	79.78	82	244 of 368	42.42512051	-74.93239648	Davenport	Delaware	West Davenport	PFO	0	0.05	0.00	0.00	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1M-W150	79.93	82	245 of 368	42.42504012	-74.93016638	Davenport	Delaware	West Davenport	PFO	36	0.04	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	N/A	No	II
DE-1M-W151	80.20	82	246 of 368	42.42465883	-74.92481362	Davenport	Delaware	West Davenport	PFO	154	0.28	0.00	0.00	0.18	0.00	0.00	0.10	0.00	0.00	0.00	0.00	N/A	No	II
	80.20	82	246a of 368	42.42462495	-74.9230466	Davenport	Delaware	West Davenport	PFO	179	0.36	0.00	0.00	0.23	0.00	0.00	0.13	0.00	0.00	0.00	0.00	N/A	No	II



Table 3.3-1 Wetlands Associated with the Constitution Pipeline - New York

Wetland ID ^a	Milepost	Alignment Sheet Drawing Number	Wetland Crossing Site-Specific Drawing Number	Latitude	Longitude	Town	County	Quadrangle	Wetland Class ^b	Crossing Length (feet) ^c	Wetland Impact (acres) ^d										State Wetland Classification ^e	NYSDEC Regulated Wetland (Yes or No)	Crossing Method ^f	
											Construction (=Temporary + Permanent)			Temporary			Operation (=Permanent)							
											PFO	PSS	PEM	PFO	PSS	PEM	PFO (Conv)	PFO (Fill)	PSS (Conv)	PSS (Fill)				PEM (Fill)
DE-1Q-W180	80.50	82	247 of 368	42.42520984	-74.91896555	Davenport	Delaware	West Davenport	PFO	286	0.49	0.00	0.00	0.29	0.00	0.00	0.20	0.00	0.00	0.00	0.00	N/A	No	II
DE-1Q-W181	80.76	82	248 of 368	42.42726624	-74.91506632	Davenport	Delaware	West Davenport	PFO	189	0.29	0.00	0.00	0.16	0.00	0.00	0.13	0.00	0.00	0.00	0.00	N/A	No	II
DE-1A-W472	80.89	83	248a of 368	42.42811385	-74.91308069	Davenport	Delaware	West Davenport	PFO	86	0.11	0.00	0.00	0.05	0.00	0.00	0.06	0.00	0.00	0.00	0.00	N/A	No	II
DE-1C-W354	81.51	83	249 of 368	42.4338231	-74.90426793	Davenport	Delaware	West Davenport	PFO	0	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1C-W345	81.59	83	250 of 368	42.43447283	-74.90274737	Davenport	Delaware	West Davenport	PSS	19	0.00	0.04	0.00	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
DE-1C-W350	81.66	83	251 of 368	42.43487049	-74.90092028	Davenport	Delaware	West Davenport	PEM	0	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1C-W351	81.66	83	251 of 368	42.43472934	-74.90107402	Davenport	Delaware	West Davenport	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1C-W353	81.66	83	251 of 368	42.43503419	-74.90163751	Davenport	Delaware	West Davenport	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1I-W245	81.99	84	254 of 368	42.4371233	-74.89622052	Davenport	Delaware	West Davenport	PFO	139	0.24	0.00	0.00	0.15	0.00	0.00	0.09	0.00	0.00	0.00	0.00	N/A	No	II
DE-1B-W336	83.15	85	255 of 368	42.44286652	-74.87549033	Davenport	Delaware	West Davenport	PFO	37	0.06	0.00	0.00	0.04	0.00	0.00	0.02	0.00	0.00	0.00	0.00	N/A	No	II
DE-1B-W337	83.32	85	256 of 368	42.44430916	-74.87186223	Davenport	Delaware	Davenport	PFO	222	0.37	0.00	0.00	0.22	0.00	0.00	0.15	0.00	0.00	0.00	0.00	N/A	No	II
DE-1C-W346	83.61	85	257 of 368	42.44599993	-74.8677625	Davenport	Delaware	Davenport	PEM	2	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	II
DE-1N-W006	83.88	86	258 of 368	42.44817314	-74.86282948	Davenport	Delaware	Davenport	PFO	134	0.18	0.00	0.00	0.09	0.00	0.00	0.09	0.00	0.00	0.00	0.00	N/A	No	II
DE-1N-W005	83.96	86	258a of 368	42.449123	-74.862362	Davenport	Delaware	Davenport	PFO	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	D-10, Class II	Yes	N/A
DE-1G-W008	85.17	87	259 of 368	42.45419795	-74.84039227	Davenport	Delaware	Davenport	PFO	0	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1N-W156A	85.81	88	260-260a of 368	42.45603322	-74.82710715	Davenport	Delaware	Davenport	PFO	163	0.11	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	D-11, Class II	Yes	VI
DE-1L-W301	86.06	88	261 of 368	42.45669164	-74.82404091	Davenport	Delaware	Davenport	PFO	13	0.06	0.00	0.00	0.05	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	II
DE-1L-W300	86.09	88	262 of 368	42.45691325	-74.82242555	Davenport	Delaware	Davenport	PFO	378	0.71	0.00	0.00	0.45	0.00	0.00	0.26	0.00	0.00	0.00	0.00	N/A	No	II
DE-1C-W215	87.04	89	263 of 368	42.46263485	-74.80729686	Davenport	Delaware	Davenport	PFO	0	0.03	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	D-13, Class II	Yes	N/A
DE-1C-W217	87.04	89	263 of 368	42.46282745	-74.8064249	Davenport	Delaware	Davenport	PFO	22	0.04	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	D-13, Class II	Yes	II
DE-1Q-W216	87.04	89	263 of 368	42.46285697	-74.80692261	Davenport	Delaware	Davenport	PFO	0	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	N/A



Table 3.3-1 Wetlands Associated with the Constitution Pipeline - New York

Wetland ID ^a	Milepost	Alignment Sheet Drawing Number	Wetland Crossing Site-Specific Drawing Number	Latitude	Longitude	Town	County	Quadrangle	Wetland Class ^b	Crossing Length (feet) ^c	Wetland Impact (acres) ^d										State Wetland Classification ^e	NYSDEC Regulated Wetland (Yes or No)	Crossing Method ^f	
											Construction (=Temporary + Permanent)			Temporary			Operation (=Permanent)							
											PFO	PSS	PEM	PFO	PSS	PEM	PFO (Conv)	PFO (Fill)	PSS (Conv)	PSS (Fill)				PEM (Fill)
DE-1T-W051	87.69	89	265 of 368	42.4666983	-74.79599427	Davenport	Delaware	Davenport	PEM	0	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1C-W050A	87.74	89	266 of 368	42.46698632	-74.79533492	Davenport	Delaware	Davenport	PSS	34	0.00	0.03	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
DE-1P-W052	87.85	90	267 of 368	42.46738498	-74.79352836	Davenport	Delaware	Davenport	PSS	288	0.00	0.41	0.00	0.00	0.34	0.00	0.00	0.00	0.07	0.00	0.00	N/A	No	VI, II
DE-1T-W055	88.07	90	267a of 368	42.46944427	-74.7901072	Davenport	Delaware	Davenport	PSS	27	0.00	0.03	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
DE-1T-W060	89.84	92	268-270 of 368	42.48682843	-74.76358139	Harpersfield	Delaware	Davenport	PSS	1,033	0.00	1.74	0.00	0.00	1.50	0.00	0.00	0.00	0.24	0.00	0.00	N/A	No	II
DE-1P-W128	90.21	92	271 of 368	42.49089202	-74.75928214	Harpersfield	Delaware	Davenport	PEM	903	0.00	0.00	1.54	0.00	0.00	1.54	0.00	0.00	0.00	0.00	0.00	D-8, Class II	Yes	II
	90.21	92	272-274a of 368	42.49400354	-74.75447825	Harpersfield	Delaware	Davenport	PFO	145	0.35	0.00	0.00	0.24	0.00	0.00	0.11	0.00	0.00	0.00	0.00	D-8, Class II	Yes	II
DE-1P-W129	91.00	92	274b of 368	42.496886	-74.748978	Harpersfield	Delaware	Davenport	PFO	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	D-8, Class II	Yes	N/A
DE-1Q-W212	90.21	92	271 of 368	42.49006754	-74.76108789	Harpersfield	Delaware	Davenport	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1G-W017	92.10	94	275 of 368	42.50287837	-74.72928159	Harpersfield	Delaware	Charlottesville	PFO	53	0.11	0.00	0.00	0.07	0.00	0.00	0.04	0.00	0.00	0.00	0.00	N/A	No	II
DE-1C-W344	92.27	94	276 of 368	42.50335782	-74.72530382	Harpersfield	Delaware	Charlottesville	PFO	263	0.42	0.00	0.00	0.24	0.00	0.00	0.18	0.00	0.00	0.00	0.00	N/A	No	II
DE-1N-W012	92.35	94	277 of 368	42.50350125	-74.72394893	Harpersfield	Delaware	Charlottesville	PFO	199	0.36	0.00	0.00	0.22	0.00	0.00	0.14	0.00	0.00	0.00	0.00	N/A	No	II
DE-1P-W258A	92.87	95	278 of 368	42.50557434	-74.71477198	Harpersfield	Delaware	Charlottesville	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1G-W143	93.32	95	279 of 368	42.50877838	-74.70647605	Harpersfield	Delaware	Charlottesville	PSS/PFO	216	0.10	0.26	0.00	0.05	0.22	0.00	0.05	0.00	0.04	0.00	0.00	N/A	No	II
DE-1Q-W142	93.47	95	280 of 368	42.50895565	-74.70428766	Harpersfield	Delaware	Charlottesville	PFO	86	0.19	0.00	0.00	0.13	0.00	0.00	0.06	0.00	0.00	0.00	0.00	N/A	No	II
SC-1F-W003	94.59	95	282 of 368	42.51655775	-74.69171207	Summit	Schoharie	Charlottesville	PSS	16	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
SC-1N-W001	94.65	96	283 of 368	42.51720102	-74.69029813	Summit	Schoharie	Charlottesville	PSS	321	0.00	0.53	0.00	0.00	0.46	0.00	0.00	0.00	0.07	0.00	0.00	N/A	No	II
SC-1Y-W436	94.95	97	284 of 368	42.51859546	-74.68659175	Summit	Schoharie	Charlottesville	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1Y-W437	94.95	97	284 of 368	42.51897332	-74.6854442	Summit	Schoharie	Charlottesville	PEM	88	0.00	0.00	0.12	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1H-W257	95.18	97	285 of 368	42.52101661	-74.68183771	Summit	Schoharie	Charlottesville	PEM/PFO/PSS	260	0.24	0.01	0.26	0.20	0.01	0.26	0.04	0.00	0.00	0.00	0.00	N/A	No	II
	95.18	97	286 of 368	42.5230684	-74.67781986	Summit	Schoharie	Charlottesville	PFO	61	0.16	0.00	0.00	0.11	0.00	0.00	0.05	0.00	0.00	0.00	0.00	N/A	No	II
SC-1Q-W377	95.37	97	287 of 368	42.52247636	-74.67978851	Summit	Schoharie	Charlottesville	PEM	25	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1X-W256	95.61	97	288 of 368	42.52374703	-74.67563908	Summit	Schoharie	Charlottesville	PFO/PSS	480	0.01	0.86	0.00	0.01	0.75	0.00	0.00	0.00	0.11	0.00	0.00	N/A	No	II
	95.61	97	289 of 368	42.52440071	-74.67267042	Summit	Schoharie	Charlottesville	PSS	371	0.00	0.76	0.00	0.00	0.67	0.00	0.00	0.00	0.09	0.00	0.00	N/A	No	II
SC-1Q-W374	96.04	98	290 of 368	42.52520997	-74.66727149	Jefferson	Schoharie	Charlottesville	PSS	53	0.00	0.08	0.00	0.00	0.07	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
SC-1C-W373	96.37	98	291 of 368	42.52785358	-74.66197105	Jefferson	Schoharie	Charlottesville	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A



Table 3.3-1 Wetlands Associated with the Constitution Pipeline - New York

Wetland ID ^a	Milepost	Alignment Sheet Drawing Number	Wetland Crossing Site-Specific Drawing Number	Latitude	Longitude	Town	County	Quadrangle	Wetland Class ^b	Crossing Length (feet) ^c	Wetland Impact (acres) ^d										State Wetland Classification ^e	NYSDEC Regulated Wetland (Yes or No)	Crossing Method ^f	
											Construction (=Temporary + Permanent)			Temporary			Operation (=Permanent)							
											PFO	PSS	PEM	PFO	PSS	PEM	PFO (Conv)	PFO (Fill)	PSS (Conv)	PSS (Fill)				PEM (Fill)
SC-1H-W253	96.93	99	292 of 368	42.53324227	-74.65462439	Summit	Schoharie	Charlotteville	PEM	0	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
	96.93	99	293 of 368	42.53405203	-74.65266137	Jefferson	Schoharie	Charlotteville	PFO	210	0.36	0.00	0.00	0.22	0.00	0.00	0.14	0.00	0.00	0.00	0.00	N/A	No	II
SC-1C-W411	97.34	99	294 of 368	42.53525115	-74.64727698	Jefferson	Schoharie	Charlotteville	PEM	155	0.00	0.00	0.26	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1G-W443	97.34	99	294 of 368	42.53544501	-74.64567902	Jefferson	Schoharie	Charlotteville	PEM	209	0.00	0.00	0.34	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1K-W417	97.61	99	295 of 368	42.53651395	-74.64231681	Jefferson	Schoharie	Charlotteville	PEM	91	0.00	0.00	0.17	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1A-W460	97.77	99	295a of 368	42.5374635	-74.63912671	Jefferson	Schoharie	Charlotteville	PFO	189	0.32	0.00	0.00	0.19	0.00	0.00	0.13	0.00	0.00	0.00	0.00	N/A	No	II
SC-1L-W427	98.61	100	296 of 368	42.54256215	-74.62524415	Jefferson	Schoharie	Charlotteville	PFO	25	0.03	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	N/A	No	II
SCHOHARIE (HUC 02020005)																								
SC-1C-W459	99.47	101	297 of 368	42.55394198	-74.61826761	Summit	Schoharie	Summit	PFO	132	0.23	0.00	0.00	0.14	0.00	0.00	0.09	0.00	0.00	0.00	0.00	SU-17, Class II	Yes	II
SC-1P-W133	100.96	103	298 of 368	42.56709251	-74.59972978	Summit	Schoharie	Summit	PSS	359	0.00	0.63	0.00	0.00	0.55	0.00	0.00	0.00	0.08	0.00	0.00	N/A	No	II
SC-1P-W135	101.06	103	299 of 368	42.56751802	-74.59763405	Summit	Schoharie	Summit	PEM	217	0.00	0.00	0.39	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1A-W422	101.47	103	300 of 368	42.5702089	-74.59130281	Summit	Schoharie	Summit	PEM	0	0.00	0.00	0.11	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1A-W421	101.58	103	301 of 368	42.5705928	-74.58940608	Summit	Schoharie	Summit	PEM/PSS	32	0.00	0.01	0.05	0.00	0.01	0.05	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1E-W101	101.62	103	302 of 368	42.57078449	-74.58827923	Summit	Schoharie	Summit	PEM/PFO	139	0.08	0.00	0.11	0.03	0.00	0.11	0.05	0.00	0.00	0.00	0.00	N/A	No	II
SC-1E-W100	101.69	103	303 of 368	42.57095422	-74.58682725	Summit	Schoharie	Summit	PFO	260	0.50	0.00	0.00	0.33	0.00	0.00	0.17	0.00	0.00	0.00	0.00	N/A	No	II, IV
SC-1E-W103	101.69	103	303 of 368	42.57117731	-74.58596325	Summit	Schoharie	Summit	PFO	8	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	II
SC-1E-W105	102.09	104	304 of 368	42.5744628	-74.58086519	Summit	Schoharie	Summit	PFO	340	0.58	0.00	0.00	0.35	0.00	0.00	0.23	0.00	0.00	0.00	0.00	N/A	No	II
SC-1R-W111	102.57	104	305 of 368	42.5803391	-74.57728634	Summit	Schoharie	Summit	PEM/PFO	43	0.04	0.00	0.02	0.03	0.00	0.02	0.01	0.00	0.00	0.00	0.00	N/A	No	II, IV
SC-1E-W112	102.99	104	306 of 368	42.58572588	-74.5739188	Summit	Schoharie	Summit	PFO	315	0.58	0.00	0.00	0.36	0.00	0.00	0.22	0.00	0.00	0.00	0.00	N/A	No	II
SC-1M-W233	103.48	104	307 of 368	42.59073031	-74.56751999	Summit	Schoharie	Summit	PFO/PSS	305	0.37	0.15	0.00	0.21	0.13	0.00	0.16	0.00	0.02	0.00	0.00	N/A	No	II
SC-1A-W464	103.61	105	307a of 368	42.59127687	-74.56551236	Summit	Schoharie	Summit	PSS	88	0.00	0.09	0.00	0.00	0.07	0.00	0.00	0.00	0.02	0.00	0.00	N/A	No	II
SC-1M-W181	104.14	106	308 of 368	42.59792072	-74.56005426	Summit	Schoharie	Summit	PFO/PEM	329	0.11	0.00	0.38	0.07	0.00	0.38	0.04	0.00	0.00	0.00	0.00	N/A	No	II
SC-1M-W184	104.34	106	309 of 368	42.59995058	-74.55834178	Summit	Schoharie	Summit	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1M-W188	104.40	106	310 of 368	42.60068349	-74.55756393	Summit	Schoharie	Summit	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1I-W434	104.42	106	310 of 368	42.60104873	-74.55748809	Summit	Schoharie	Summit	PEM	38	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1P-W056	104.55	106	311 of 368	42.60228628	-74.55577875	Summit	Schoharie	Summit	PEM/PFO	70	0.01	0.00	0.14	0.01	0.00	0.14	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1N-W055	104.64	107	312 of 368	42.60404841	-74.55497672	Summit	Schoharie	Summit	PSS/PEM	425	0.00	0.50	0.09	0.00	0.43	0.09	0.00	0.00	0.07	0.00	0.00	N/A	No	II
SC-1B-W458	105.25	107	319a of 368	42.60879124	-74.54599359	Richmondville	Schoharie	Summit	PFO	0	0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1G-W340	105.60	107	314 of 368	42.61201715	-74.5407401	Richmondville	Schoharie	Summit	PEM	243	0.00	0.00	0.36	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1G-W339	105.72	107	316 of 368	42.61292081	-74.53903576	Richmondville	Schoharie	Summit	PEM	22	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	N/A	No	II



Table 3.3-1 Wetlands Associated with the Constitution Pipeline - New York

Wetland ID ^a	Milepost	Alignment Sheet Drawing Number	Wetland Crossing Site-Specific Drawing Number	Latitude	Longitude	Town	County	Quadrangle	Wetland Class ^b	Crossing Length (feet) ^c	Wetland Impact (acres) ^d										State Wetland Classification ^e	NYSDEC Regulated Wetland (Yes or No)	Crossing Method ^f	
											Construction (=Temporary + Permanent)			Temporary			Operation (=Permanent)							
											PFO	PSS	PEM	PFO	PSS	PEM	PFO (Conv)	PFO (Fill)	PSS (Conv)	PSS (Fill)				PEM (Fill)
SC-1L-W304	105.73	107	316a of 368	42.61289888	-74.53870317	Richmondville	Schoharie	Summit	PEM	0	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1L-W303	105.77	107	317 of 368	42.61306234	-74.53811734	Richmondville	Schoharie	Summit	PEM	50	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1L-W300	105.84	107	318-319 of 368	42.6126691	-74.53515824	Richmondville	Schoharie	Summit	PEM/PFO	858	0.12	0.00	1.49	0.05	0.00	1.49	0.07	0.00	0.00	0.00	0.00	N/A	No	II
SC-1J-W385	106.36	108	320 of 368	42.61591418	-74.52795422	Richmondville	Schoharie	Summit	PEM	0	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1L-W352	106.57	108	321 of 368	42.61784272	-74.52505866	Richmondville	Schoharie	Summit	PEM	36	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1Q-W354	106.70	108	322 of 368	42.61935625	-74.52375019	Richmondville	Schoharie	Summit	PFO	44	0.06	0.00	0.00	0.02	0.00	0.00	0.04	0.00	0.00	0.00	0.00	N/A	No	II
SC-1L-W356	106.99	109	323 of 368	42.62316787	-74.51959391	Richmondville	Schoharie	Summit	PSS/PEM	583	0.00	0.34	0.69	0.00	0.30	0.69	0.00	0.00	0.04	0.00	0.00	N/A	No	II
SC-1D-W295	107.17	109	324 of 368	42.62423986	-74.51732432	Richmondville	Schoharie	Summit	PSS	173	0.00	0.28	0.00	0.00	0.24	0.00	0.00	0.00	0.04	0.00	0.00	N/A	No	II
SC-1D-W296	107.46	109	325 of 368	42.62439463	-74.51177936	Richmondville	Schoharie	Summit	PFO/PSS	150	0.17	0.11	0.00	0.11	0.09	0.00	0.06	0.00	0.02	0.00	0.00	N/A	No	II
SC-1I-W397	107.66	109	326 of 368	42.62423301	-74.50807468	Richmondville	Schoharie	Summit	PFO	0	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1J-W396	107.86	110	327 of 368	42.62548204	-74.50477482	Richmondville	Schoharie	Richmondville	PFO	0	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1I-W395	107.99	110	328 of 368	42.62678669	-74.50274916	Richmondville	Schoharie	Richmondville	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1I-W387	108.12	110	329 of 368	42.62781997	-74.50069323	Richmondville	Schoharie	Richmondville	PSS	40	0.00	0.05	0.00	0.00	0.04	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
SC-1Q-W359	108.49	110	330 of 368	42.63102491	-74.49463046	Richmondville	Schoharie	Cobleskill	PFO	68	0.07	0.00	0.00	0.03	0.00	0.00	0.04	0.00	0.00	0.00	0.00	N/A	No	II
SC-1C-W360	108.58	110	331 of 368	42.63121146	-74.49264933	Richmondville	Schoharie	Cobleskill	PEM	191	0.00	0.00	0.25	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1C-W361	108.81	110	332 of 368	42.63215259	-74.48881856	Richmondville	Schoharie	Cobleskill	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1C-W366	109.14	111	333 of 368	42.63400949	-74.48302637	Richmondville	Schoharie	Cobleskill	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1C-W370	109.18	111	334 of 368	42.63449297	-74.48211635	Richmondville	Schoharie	Cobleskill	PEM	145	0.00	0.00	0.21	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1Q-W363	109.47	111	335 of 368	42.6340077	-74.47652642	Richmondville	Schoharie	Cobleskill	PEM/PFO	248	0.39	0.00	0.05	0.24	0.00	0.05	0.15	0.00	0.00	0.00	0.00	N/A	No	II
SC-1Q-W365	109.71	111	336 of 368	42.63416198	-74.47194602	Richmondville	Schoharie	Cobleskill	PFO/PEM	278	0.42	0.00	0.02	0.23	0.00	0.02	0.19	0.00	0.00	0.00	0.00	N/A	No	II
SC-1Q-W367	109.91	112	337 of 368	42.63511156	-74.46834944	Cobleskill	Schoharie	Cobleskill	PFO/PEM	240	0.11	0.00	0.27	0.11	0.00	0.27	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1L-W307	110.13	112	338 of 368	42.6361997	-74.46420179	Cobleskill	Schoharie	Cobleskill	PSS	373	0.00	0.65	0.00	0.00	0.56	0.00	0.00	0.00	0.09	0.00	0.00	N/A	No	II
SC-1L-W308	110.28	112	339 of 368	42.63692504	-74.46146248	Cobleskill	Schoharie	Cobleskill	PSS	212	0.00	0.32	0.00	0.00	0.27	0.00	0.00	0.00	0.05	0.00	0.00	N/A	No	II
SC-1C-W315	110.37	112	340 of 368	42.63735515	-74.45986771	Cobleskill	Schoharie	Cobleskill	PSS/PFO	203	0.01	0.35	0.00	0.01	0.30	0.00	0.00	0.00	0.05	0.00	0.00	N/A	No	II
SC-1C-W419	110.58	112	341 of 368	42.63828865	-74.45640042	Cobleskill	Schoharie	Cobleskill	PSS	10	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	IV
SC-1B-W455	110.76	112	342 of 368	42.63919681	-74.45299932	Cobleskill	Schoharie	Cobleskill	PSS	19	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
SC-1C-W418	110.76	112	342 of 368	42.63927883	-74.45213415	Cobleskill	Schoharie	Cobleskill	PFO	0	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1C-W420	110.94	113	343 of 368	42.63993961	-74.44964105	Cobleskill	Schoharie	Cobleskill	PSS	0	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1G-W441	111.27	113	344 of 368	42.64189976	-74.44379004	Cobleskill	Schoharie	Cobleskill	PFO	0	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	N/A



Table 3.3-1 Wetlands Associated with the Constitution Pipeline - New York

Wetland ID ^a	Milepost	Alignment Sheet Drawing Number	Wetland Crossing Site-Specific Drawing Number	Latitude	Longitude	Town	County	Quadrangle	Wetland Class ^b	Crossing Length (feet) ^c	Wetland Impact (acres) ^d										State Wetland Classification ^e	NYSDEC Regulated Wetland (Yes or No)	Crossing Method ^f	
											Construction (=Temporary + Permanent)			Temporary			Operation (=Permanent)							
											PFO	PSS	PEM	PFO	PSS	PEM	PFO (Conv)	PFO (Fill)	PSS (Conv)	PSS (Fill)				PEM (Fill)
SC-1L-W215	111.49	113	345 of 368	42.64422455	-74.44041277	Cobleskill	Schoharie	Cobleskill	PSS/PEM	325	0.00	0.36	0.19	0.00	0.31	0.19	0.00	0.00	0.05	0.00	0.00	N/A	No	II
	111.49	113	346 of 368	42.64507396	-74.43795372	Cobleskill	Schoharie	Cobleskill	PEM	318	0.00	0.00	0.56	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1Q-W216	111.96	114	347 of 368	42.64608004	-74.43188447	Cobleskill	Schoharie	Cobleskill	PFO	50	0.11	0.00	0.00	0.08	0.00	0.00	0.03	0.00	0.00	0.00	0.00	N/A	No	II
SC-1L-W213	112.03	114	347 of 368	42.64621902	-74.43046027	Cobleskill	Schoharie	Cobleskill	PFO	150	0.32	0.00	0.00	0.21	0.00	0.00	0.11	0.00	0.00	0.00	0.00	N/A	No	II
SC-1M-W071	113.35	115	348-350 of 368	42.65088544	-74.4067646	Middleburgh	Schoharie	Cobleskill	PSS/PEM	1,273	0.00	0.39	1.79	0.00	0.34	1.79	0.00	0.00	0.05	0.00	0.00	CO-25, Class II	Yes	II
SC-1M-W067	113.73	115	351 of 368	42.65389516	-74.40270782	Middleburgh	Schoharie	Cobleskill	PSS	384	0.00	0.63	0.00	0.00	0.54	0.00	0.00	0.00	0.09	0.00	0.00	CO-25, Class II	Yes	II
SC-1M-W058	114.67	116	352-353 of 368	42.65939105	-74.3860793	Middleburgh	Schoharie	Cobleskill	PEM	694	0.00	0.00	1.18	0.00	0.00	1.18	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1N-W063	115.47	117	354 of 368	42.66340954	-74.3728536	Middleburgh	Schoharie	Schoharie	PEM	0	0.00	0.00	0.06	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1Q-W156	118.40	120	355 of 368	42.69260033	-74.33885602	Schoharie	Schoharie	Schoharie	PSS/PEM	0	0.00	0.03	0.05	0.00	0.03	0.05	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1Q-W164	119.39	121	356 of 368	42.69898888	-74.3219707	Schoharie	Schoharie	Schoharie	PSS	221	0.00	0.36	0.00	0.00	0.31	0.00	0.00	0.00	0.05	0.00	0.00	N/A	No	II
SC-1I-W399	119.65	121	357 of 368	42.70167373	-74.31867671	Schoharie	Schoharie	Schoharie	PEM	0	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1Q-W379	119.89	122	359 of 368	42.70332706	-74.3151752	Schoharie	Schoharie	Schoharie	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1Q-W380	119.89	122	359 of 368	42.703776	-74.31477362	Schoharie	Schoharie	Schoharie	PEM	127	0.00	0.00	0.21	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1Q-W382	119.99	122	360 of 368	42.70498913	-74.31459016	Schoharie	Schoharie	Schoharie	PEM	22	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1A-W292C	120.43	122	361 of 368	42.70736859	-74.30632857	Schoharie	Schoharie	Schoharie	PEM	0	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1A-W292D	120.43	122	361 of 368	42.70728222	-74.30718081	Schoharie	Schoharie	Schoharie	PEM	44	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1D-W292	120.51	122	363 of 368	42.70784667	-74.3042348	Schoharie	Schoharie	Schoharie	PEM/PSS	217	0.00	0.36	0.01	0.00	0.31	0.01	0.00	0.00	0.05	0.00	0.00	N/A	No	II
SC-1U-W292F	120.51	122	363 of 368	42.70756903	-74.30559453	Schoharie	Schoharie	Schoharie	PSS	23	0.00	0.05	0.00	0.00	0.04	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
SC-1C-W313	120.73	122	364 of 368	42.70795557	-74.30305394	Schoharie	Schoharie	Schoharie	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1C-W314	120.73	122	364 of 368	42.70774665	-74.301785	Schoharie	Schoharie	Schoharie	PEM	40	0.00	0.00	0.07	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	N/A	No	II
SC-1A-W160A	121.00	123	365 of 368	42.7087199	-74.29721952	Schoharie	Schoharie	Schoharie	PFO	0	0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1G-W160	121.01	123	366 of 368	42.70887394	-74.29690789	Schoharie	Schoharie	Schoharie	PSS	44	0.00	0.12	0.00	0.00	0.11	0.00	0.00	0.00	0.01	0.00	0.00	N/A	No	II
SC-1C-W172A	122.71	125	367 of 368	42.70343454	-74.26675902	Schoharie	Schoharie	Schoharie	PEM/PSS	0	0.00	0.02	0.02	0.00	0.01	0.02	0.00	0.00	0.01	0.00	0.00	N/A	No	N/A
SC-1L-W167	123.06	125	368 of 368	42.70303959	-74.25904772	Schoharie	Schoharie	Schoharie	PEM	603	0.00	0.00	1.05	0.00	0.00	1.05	0.00	0.00	0.00	0.00	0.00	N/A	No	II
Pipeline Totals										48,532	29.39	24.06	26.91	17.83	20.61	26.91	11.56	0.00	3.45	0.00	0.00			



Table 3.3-1 Wetlands Associated with the Constitution Pipeline - New York

Wetland ID ^a	Milepost	Alignment Sheet Drawing Number	Wetland Crossing Site-Specific Drawing Number	Latitude	Longitude	Town	County	Quadrangle	Wetland Class ^b	Crossing Length (feet) ^c	Wetland Impact (acres) ^d										State Wetland Classification ^e	NYSDEC Regulated Wetland (Yes or No)	Crossing Method ^f		
											Construction (=Temporary + Permanent)			Temporary			Operation (=Permanent)								
											PFO	PSS	PEM	PFO	PSS	PEM	PFO (Conv)	PFO (Fill)	PSS (Conv)	PSS (Fill)				PEM (Fill)	
WETLANDS ASSOCIATED WITH PROPOSED CONTRACTOR YARDS																									
UPPER SUSQUEHANNA (HUC 02050101)																									
OT-1C-W001	77.36	26-26-85/ CY-4A.2	3 of 13	42.470433	-74.991569	Milford	Otsego	West Davenport	PEM	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
OT-1C-W002	77.36	26-26-85/ CY-4A.2	2 of 13	42.468791	-74.989564	Milford	Otsego	West Davenport	PEM	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1A-W484	86.88	26-26-85/ CY-4D.2	4 & 8 of 13	42.455583	-74.897967	Davenport	Delaware	West Davenport	PEM	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WD-10, Class I	Yes	N/A
DE-1A-W485	86.88	26-26-85/ CY-4D.2	5 of 13	42.456384	-74.897772	Davenport	Delaware	West Davenport	PEM	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1A-W486	86.88	26-26-85/ CY-4D.2	6 of 13	42.456324	-74.898833	Davenport	Delaware	West Davenport	PEM	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
DE-1A-W487	86.88	26-26-85/ CY-4D.2	5 & 9 of 13	42.455944	-74.898365	Davenport	Delaware	West Davenport	PEM	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WD-10, Class I	Yes	N/A
DE-1A-W488	86.88	26-26-85/ CY-4D.2	7 & 10 of 13	42.456578	-74.899567	Davenport	Delaware	West Davenport	PEM	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WD-10, Class I	Yes	N/A
SCHOHARIE (HUC 02020005)																									
SC-1Q-W426	107.15	26-26-85/ CY-5.1	13 of 13	42.644314	-74.531779	Richmondville	Schoharie	Richmondville	PEM	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
SC-1Q-W425	107.15	26-26-85/ CY-5.1	11 & 12 of 13	42.642711	-74.532503	Richmondville	Schoharie	Richmondville	PEM	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	N/A
Contractor Yard Facilities Totals										0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
WETLANDS ASSOCIATED WITH ABOVEGROUND FACILITIES																									
None										0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Aboveground Facilities Total										0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
WETLANDS ASSOCIATED WITH ACCESS ROADS																									
UPPER SUSQUEHANNA (HUC 02050101)																									
DE-1C-W224 PAR 36	52.24	26-26-85/ PAR-36.1	15-16 of 60	42.280423	-75.392792	Masonville	Delaware	Sidney	PEM	0	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	N/A	No	Perm.Fi ll	
DE-1C- W158C TAR36A	54.16	26-26-85/ TAR-36a.4	22 of 60	42.288953	-75.354713	Sidney	Delaware	Unadilla	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	Temp. Fill	



Table 3.3-1 Wetlands Associated with the Constitution Pipeline - New York

Wetland ID ^a	Milepost	Alignment Sheet Drawing Number	Wetland Crossing Site-Specific Drawing Number	Latitude	Longitude	Town	County	Quadrangle	Wetland Class ^b	Crossing Length (feet) ^c	Wetland Impact (acres) ^d										State Wetland Classification ^e	NYSDEC Regulated Wetland (Yes or No)	Crossing Method ^f	
											Construction (=Temporary + Permanent)			Temporary			Operation (=Permanent)							
											PFO	PSS	PEM	PFO	PSS	PEM	PFO (Conv)	PFO (Fill)	PSS (Conv)	PSS (Fill)				PEM (Fill)
DE-1C-W158C TAR 36A	54.16	26-26-85/TAR-36a.4	22 of 60	42.288944	-75.354662	Sidney	Delaware	Unadilla	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	Temp. Fill
DE-1C-W158D TAR 36A	54.16	26-26-85/TAR-36a.4	22 of 60	42.288953	-75.354713	Sidney	Delaware	Unadilla	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	Temp. Fill
DE-1C-W338 TAR 36A	54.16	26-26-85/TAR-36a.2	20 of 60	42.286109	-75.358502	Sidney	Delaware	Unadilla	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	Temp. Fill
DE-1C-W338 TAR 36A	54.16	26-26-85/TAR-36a.2	20 of 60	42.286123	-75.358527	Sidney	Delaware	Unadilla	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	Temp. Fill
DE-1C-W158A TAR 36B	54.40	26-26-85/TAR-36b.4	23 of 60	42.289614	-75.350342	Sidney	Delaware	Unadilla	PEM	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	N/A	No	Temp. Fill
DE-1F-W075 TAR 36C	54.92	26-26-85/TAR-36c.5	24-26 of 60	42.292762	-75.333697	Sidney	Delaware	Unadilla	PEM	522	0.00	0.00	0.20	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	N/A	No	Temp. Fill
DE-1K-W228 TAR 36C	54.92	26-26-85/TAR-36c.5; 26-26-85/TAR-36c.6	27 of 60	42.293265	-75.331296	Sidney	Delaware	Unadilla	PEM	115	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	N/A	No	Temp. Fill
DE-1A-W463 PAR 40	63.90	26-26-85/PAR-40.1	34-35 of 60	42.353562	-75.205334	Sidney	Delaware	Franklin	PFO	0	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	N/A	No	N/A
DE-1A-W362 PAR44	69.96	26-26-85/PAR-44.4	39 of 60	42.390729	-75.096055	Franklin	Delaware	Oneonta	PEM	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	No	Perm. Fill
DE-1H-W268 PAR 46	72.79	26-26-85/PAR-46.2	43-44 of 60	42.424417	-75.071516	Franklin	Delaware	Oneonta	PSS	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ON-2, Class II	Yes	N/A
DE-1A-W125A PAR 47	73.65	26-26-85/PAR-47.2	45-46 of 60	42.416537	-75.049994	Franklin	Delaware	Oneonta	PFO	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	ON-4, Class II	Yes	TBD
DE-1A-W125B PAR 47	73.65	26-26-85/PAR-47.2	45-46 of 60	42.417087	-75.048781	Franklin	Delaware	Oneonta	PFO	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	ON-4, Class II	Yes	TBD
DE-1C-W375A PAR 48B	76.93	26-26-85/PAR-48b.1	48 of 60	42.423211	-74.987915	Davenport	Delaware	West Davenport	PFO	27	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	N/A	No	Perm. Fill
DE-1C-W377 PAR 48B	76.93	26-26-85/PAR-48b.1	47 of 60	42.424328	-74.988614	Davenport	Delaware	West Davenport	PSS	70	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	N/A	No	Perm. Fill



Table 3.3-1 Wetlands Associated with the Constitution Pipeline - New York

Wetland ID ^a	Milepost	Alignment Sheet Drawing Number	Wetland Crossing Site-Specific Drawing Number	Latitude	Longitude	Town	County	Quadrangle	Wetland Class ^b	Crossing Length (feet) ^c	Wetland Impact (acres) ^d										State Wetland Classification ^e	NYSDEC Regulated Wetland (Yes or No)	Crossing Method ^f	
											Construction (=Temporary + Permanent)			Temporary			Operation (=Permanent)							
											PFO	PSS	PEM	PFO	PSS	PEM	PFO (Conv)	PFO (Fill)	PSS (Conv)	PSS (Fill)				PEM (Fill)
DE-1M-W154 PAR 48B	76.93	26-26-85/ PAR-48b.1	48 of 60	42.423094	-74.987764	Davenport	Delaware	West Davenport	PFO	15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	N/A	No	Perm. Fill
Access Roads Total										749	0.03	0.03	0.31	0.00	0.00	0.30	0.00	0.03	0.00	0.03	0.01			
New York Total										49,281	29.42	24.09	27.22	17.83	20.61	27.21	11.56	0.03	3.45	0.03	0.01			

This table has been updated since the November 2013 submittal.

N/A = Not Applicable – for wetland class with N/A it indicates that the wetland is not classified by the NYSDEC

a: No wetlands were identified in the Westfall Road M&R Station site during field surveys in 2012 including pig receiver area. Wetlands associated with MLVs included in the corresponding pipeline segment.

b: Wetland classification according to Cowardin et al. 1979: PEM = Palustrine Emergent Wetland; PSS = Palustrine Scrub-Shrub Wetland; PFO = Palustrine Forested Wetland.

c: 0.0 ft Crossing Length = wetland is not crossed by the pipeline but is within the workspace.

d: Construction Acreage = all workspace during construction activities (temporary & ATWS plus permanent); Operation Acreage = 10-foot wide corridor permanently maintained in herbaceous vegetated cover through PSS wetlands, and 30-foot wide corridor permanently maintained through PFO wetlands where trees taller than 15 feet will be selectively cut and removed (except between the enter/exit points for a HDD crossing where no clearing will occur). The permanently maintained corridors represent a change in cover type from PFO to PSS and PEM or PSS to PEM; there is no operation impact on PEM wetlands, since there is no change in the pre- and post-construction vegetation cover type. Construction impacts were calculated using a proposed construction footprint surface area and existing land use based on field surveys. Surface area of operational maintenance corridor as described above were used to calculate acres of operation impact to each pre-construction wetland vegetation cover type for each wetland included in the table. The ROW width at all wetland crossings is 75 feet, except for those wetlands described in Table 3.3-4.

e: New York classifies wetlands as Class I, II, III, IV (6 NYCRR Chapter X Part 664).

f: Crossing Methods for wetlands are described in Section 3.4; I = Standard Crossing; II = Conventional Crossing; III = Push/Pull Crossing; IV = Conventional Bore; V = Horizontal Directional Drill; VI = Direct Pipe; N/A = Wetland not crossed by pipeline



Table 3.3-2 Wetland Impact Summary by Wetland Type for New York

Town	County	Palustrine Forested (acres affected)				Palustrine Scrub-Shrub (acres affected)				Palustrine Emergent (acres affected)				Total (Acres Affected)			
		Construction ^a (=Temporary+O peration)	Temporary	Operation ^b (=Permanent)		Construction ^a (=Temporary+O peration)	Temporary	Operation ^b (=Permanent)		Construction ^a (=Temporary+O peration)	Temporary	Operation ^b (=Permanent)		Construction ^a (=Temporary+O peration)	Temporary	Operation ^b (=Permanent)	
				Conversion	Fill			Conversion	Fill			Conversion	Fill			Conversion	Fill
Sanford	Broome	4.25	2.53	1.72	0.00	6.06	5.15	0.91	0.00	6.68	6.68	0.00	16.99	14.36	2.63	0	
Afton	Chenango	1.78	1.13	0.65	0.00	1.08	0.92	0.16	0.00	2.16	2.16	0.00	5.02	4.21	0.81	0	
Bainbridge	Chenango	4.23	2.53	1.70	0.00	0.03	0.02	0.01	0.00	0.47	0.47	0.00	4.73	3.02	1.71	0	
Masonville	Delaware	1.04	0.66	0.38	0.00	0.45	0.40	0.05	0.00	0.05	0.04	0.01	1.54	1.1	0.43	0.01	
Sidney	Delaware	2.97	1.82	1.14	0.01	3.19	2.74	0.45	0.00	3.11	3.11	0.00	9.27	7.67	1.59	0.01	
Franklin	Delaware	3.43	2.08	1.35	0.00	1.33	1.13	0.20	0.00	1.52	1.52	0.00	6.28	4.73	1.55	0	
Davenport	Delaware	4.70	2.72	1.96	0.02	1.83	1.53	0.27	0.03	0.14	0.14	0.00	6.67	4.39	2.23	0.05	
Harpersfield	Delaware	1.53	0.95	0.58	0.00	2.00	1.72	0.28	0.00	1.56	1.56	0.00	5.09	4.23	0.86	0	
Summit	Schoharie	2.92	1.85	1.07	0.00	3.55	3.08	0.47	0.00	1.80	1.80	0.00	8.27	6.73	1.54	0	
Jefferson	Schoharie	0.71	0.42	0.29	0.00	0.08	0.07	0.01	0.00	0.78	0.78	0.00	1.57	1.27	0.30	0	
Richmondville	Schoharie	1.27	0.71	0.56	0.00	0.78	0.67	0.11	0.00	3.30	3.30	0.00	5.35	4.68	0.67	0	
Cobleskill	Schoharie	0.57	0.42	0.15	0.00	1.75	1.49	0.26	0.00	1.02	1.02	0.00	3.34	2.93	0.41	0	
Middleburgh	Schoharie	0.00	0.00	0.00	0.00	1.02	0.88	0.14	0.00	3.03	3.03	0.00	4.05	3.91	0.14	0	
Schoharie	Schoharie	0.02	0.01	0.01	0.00	0.94	0.81	0.13	0.00	1.60	1.60	0.00	2.56	2.42	0.14	0	
Wright	Schoharie	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	
Milford	Otsego	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0	
New York Total		29.42	17.83	11.56	0.03	24.09	20.61	3.45	0.03	27.22	27.21	0.01	80.73	65.65	15.01	0.07	

Note: This table has been entirely updated since the November 2013 submittal.

a: Construction Acreage = all workspace during construction activities (temporary & ATWS plus permanent)

b: Operational impacts that are not permanent fill (i.e. cover type conversion) are not considered as a “loss” of waters of the US under the Nationwide Permit (NWP). Operation Acreage = 10-foot wide corridor permanently maintained in herbaceous vegetated cover through PSS wetlands, and 30-foot wide corridor permanently maintained through PFO wetlands where trees within 15 feet of the pipeline with roots that could potentially compromise the pipeline coating will be selectively cut and removed (except between the enter/exit points for a HDD crossing where no clearing will occur). The permanently maintained corridors represent a change in cover type from PFO to PSS and PEM or PSS to PEM; there is no operation impact on PEM wetlands, since there is no change in the pre- and post-construction vegetation cover type. Construction impacts were calculated using a proposed construction footprint surface area and existing land use based on field surveys. Surface area of operational maintenance corridor as described above were used to calculate acres of operation impact to each pre-construction wetland vegetation cover type for each wetland included in the table.



Table 3.3-3 HUC-8 Watershed Wetland Impact Summary for Constitution Pipeline in New York

Watershed (HUC 8)	Crossing Length (feet)	Palustrine Forested (Acres)				Palustrine Scrub-Shrub (Acres)				Palustrine Emergent (Acres)			Total (Acres)			
		Construction ^a (=Temporary+ Operation)	Temporary	Operation ^b (=Permanent)		Construction ^a (=Temporary+ Operation)	Temporary	Operation ^b (=Permanent)		Construction ^a (=Temporary+ Operation)	Temporary	Operation ^b (=Permanent) Fill	Construction ^a (=Temporary+ Operation)	Temporary	Operation ^b (=Permanent)	
				Conversion	Fill			Conversion	Fill						Conversion	Fill
Upper Susquehanna (02050101)	30,159	22.86	13.78	9.05	0.03	12.89	11.05	1.81	0.03	11.76	11.75	0.01	47.51	36.58	10.86	0.07
Upper Delaware (02040101)	7,301	2.19	1.38	0.81	0.00	5.33	4.52	0.81	0.00	5.17	5.17	0.00	12.69	11.07	1.62	0.00
Schoharie (02020005)	11,821	4.37	2.67	1.70	0.00	5.87	5.04	0.83	0.00	10.29	10.29	0.00	20.53	18	2.53	0.00
New York Total	49,281	29.42	17.83	11.56	0.03	24.09	20.61	3.45	0.03	27.22	27.21	0.01	80.73	65.65	15.01	0.07

This table has been entirely updated since the November 2013 submittal.

a: Construction Acreage = all workspace during construction activities (temporary & ATWS plus permanent)

b: Operational impacts that are not permanent fill (i.e. cover type conversion) are not considered as a “loss” of waters of the US under the Nationwide Permit (NWP). Operation Acreage = 10-foot wide corridor permanently maintained in herbaceous vegetated cover through PSS wetlands, and 30-foot wide corridor permanently maintained through PFO wetlands where trees taller than 15 feet will be selectively cut and removed. The permanently maintained corridors represent a change in cover type from PFO to PSS and PEM or PSS to PEM; there is no operation impact on PEM wetlands, since there is no change in the pre- and post-construction vegetation cover type. Construction impacts were calculated using a proposed construction footprint surface area and existing land use based on field surveys. Surface area of operational maintenance corridor as described above were used to calculate acres of operation impact to each pre-construction wetland vegetation cover type for each wetland included in the table. The ROW width at all wetland crossings is 75 feet, except for those wetlands described in Table 3.3-4.

Note: The impact numbers above include access road impacts as well as pipeline corridor impacts.



Table 3.3-4 Construction Workspace >75 feet Within Wetlands for the Constitution Pipeline^a

State	County	Town	Wetland ID	Milepost	Crossing Length (feet)	Crossing Width (feet)	Wetland Class Impacted	Justification
New York	Chenango	Bainbridge	CH-1A-W047	50.20	129	125	PEM	The increased workspace is necessary for spoil storage to allow for the waterbody and wetland crossings, as well as the storage of spoil and staging of equipment to facilitate the road bore crossing.
New York	Delaware	Harpersfield	DE-1P-W128	90.27	24	97	PEM	The increased workspace is necessary for spoil storage associated with the road crossing, crossing of the existing pipeline ROW, and construction adjacent to the residential development.
New York	Delaware	Harpersfield	DE-1P-W128	90.31	100	125	PEM	The additional workspace will be utilized for spoil storage to allow for construction within the wetland and conduct the crossing of the existing pipeline.
New York	Schoharie	Summit	SC-1E-W100	101.72	83	125	PFO	The workspace is necessary to conduct the wetland and waterbody crossings, as well as the adjacent roadway crossing.
New York	Schoharie	Richmondville	SC-1L-W303	105.77	21	89	PEM	The increased workspace is necessary due to the existing slope, road crossing, waterbody crossing and multiple wetland crossings.

This table has been entirely updated since the November 2013 submittal.

a: Workspace = Operation and Construction



- 3.3.1 Palustrine Forested Wetlands**
 - 3.3.1.1 Red Maple-Hardwood Swamp**
 - 3.3.1.2 Hemlock-Hardwood Swamp**
 - 3.3.1.3 Spruce-Fir Swamp**
- 3.3.2 Palustrine Scrub-Shrub Wetlands**
- 3.3.3 Palustrine Emergent Wetlands**
- 3.3.4 Open Water**
- 3.3.5 Federal Clean Water Act**
- 3.3.6 NYSDEC State-Regulated Freshwater Wetlands**
 - 3.3.6.1 New York State Freshwater Wetlands Adjacent Area**
- 3.3.7 Areas of Remote Sensed Wetlands**



Table 3.3-5 Adjacent Areas Associated with NYSDEC State-Regulated Freshwater Wetlands Crossed by the Constitution Pipeline Project

Wetland ID	NYSDEC Wetland Number	Nearest Milepost	Crossing Length (feet) ^c	Adjacent Area Impacts (acres) ^a																				
				Construction ^b (=Temporary + Permanent)									Operation ^b (=Permanent)											
				PFO	PSS	PEM	UF	WB	AG	RD	OL	PFO		PSS		PEM	UF		WB	AG	OL			
												Conv.	Fill	Conv.	Fill		Conv.	Fill			Conv.	Fill		
BR-1H-W174	NS-1	36.62	344	0.00	0.00	0.00	1.01	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	
DE-1H-W268	ON-2	72.79 (PAR 46)	545	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00
DE-1B-W270	ON-3	72.9	145	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	
DE-1P-W074	ON-4	73.32	353	0.00	0.00	0.04	0.03	0.00	0.01	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.35	0.00	
DE-1W-W125	ON-4	73.45	358	0.00	0.00	0.00	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	
DE-1A-W125A/ W125B	ON-4	73.65 (PAR 47)	TBD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DE-1W-W127	ON-5	75.1	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	
DE-1N-W005	D-10	83.96	152	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	
DE-1N-W156A	D-11	85.81	263	0.00	0.00	0.00	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	
DE-1C-W215	D-13	87.04	305	0.03	0.00	0.00	0.61	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.00	
DE-1C-W217	D-13	87.15	262	0.04	0.00	0.00	0.27	0.08	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	
DE-1P-W128	D-8	90.20 - 90.71	1048	0.00	0.00	0.01	1.93	0.00	0.15	0.00	0.23	0.00	0.00	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00	0.09	0.00	
DE-1W-W129	D-8	91	0	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SC-1C-W459	SU-17	99.47	440	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.06	0.00	
SC-1M-W071	CO-25	113.35	250	0.00	0.00	0.00	0.20	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	
SC-1M-W067	CO-25	113.73	212	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	
DE-1A-W484	WD-10	86.9 (Contractor Yard 4D)	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DE-1A-W487	WD-10	86.9 (Contractor Yard 4D)	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DE-1A-W488	WD-10	86.9 (Contractor Yard 4D)	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Totals			4,677	0.07	0.00	0.05	6.88	0.16	0.67	0.00	1.00	0.03	0.00	0.00	0.00	0.00	3.70	0.21	0.00	0.00	0.54	0.00		

This entire table has been updated since the November 2013 submittal

PAR=Permanent Access Road; PFO=Palustrine Forested; PSS=Palustrine Scrub-Shrub; PEM=Palustrine Emergent; UF=Upland Forest; WB=Waterbody; OL=Open Land; AG=Agricultural land; RD=Roads

a: Acreage impacts were calculated using CAD software using a land use shape file and a workspace shape file created.

b: Construction Acreage = all workspace during construction activities (temporary & ATWS plus permanent); Operation Acreage = 10-foot wide corridor permanently maintained in herbaceous vegetated cover through PSS wetlands, and 30-foot wide corridor permanently maintained through PFO wetlands where trees within 15 feet of the pipeline with roots that could potentially compromise the pipeline coating will be selectively cut and removed (except between the enter/exit points for a HDD crossing where no clearing will occur); The permanently maintained corridors represent a change in cover type from PFO to PSS and PEM or PSS to PEM; 50-foot wide permanent easement corridor permanently maintained in herbaceous vegetated cover in uplands (UF, OL); No operational impacts to palustrine emergent wetlands (PEM), waterbodies (WB), agricultural land (AG) or roads (RD) since there is no change in the pre- and post-construction vegetation cover type unless a permanent structure is proposed. Construction impacts were calculated using a proposed construction footprint surface area and existing land use based on field surveys. Surface area of operational maintenance corridor as described above were used to calculate acres of operation impact to each pre-construction wetland vegetation cover type for each wetland included in the table.

c: Crossing Length of the 100-foot Adjacent Area is measured along the pipeline and does not include the crossing length of a specific land use type.



Table 3.3-6 Wetland Impact Summary of Surveyed and Remote Sensed Areas for Constitution Pipeline in New York

Watershed (HUC 8)	Palustrine Forested (acres)				Palustrine Scrub-Shrub (acres)				Palustrine Emergent (acres)			Total (acres)			
	Construction ^a (=Temporary+ Operation)	Temporary	Operation ^b (=Permanent)		Construction ^a (=Temporary+ Operation)	Temporary	Operation ^b (=Permanent)		Construction ^a (=Temporary+ Operation)	Temporary	Operation ^b (=Permanent) Fill	Construction ^a (=Temporary+ Operation)	Temporary	Operation ^b (=Permanent)	
			Conversion	Fill			Conversion	Fill						Conversion	Fill
Upper Susquehanna- Surveyed	22.86	13.78	9.05	0.03	12.89	11.05	1.81	0.03	11.76	11.75	0.01	47.51	36.58	10.86	0.07
Delaware- Surveyed	2.19	1.38	0.81	0	5.33	4.52	0.81	0	5.17	5.17	0.00	12.69	11.07	1.62	0.00
Schoharie- Surveyed	4.37	2.67	1.7	0	5.87	5.04	0.83	0	10.29	10.29	0.00	20.53	18	2.53	0.00
Surveyed Sub-Total	29.42	17.83	11.56	0.03	24.09	20.61	3.45	0.03	27.22	27.21	0.01	80.73	65.65	15.01	0.07
Upper Susquehanna- Remotely Sensed	14.9	10.93	3.97	0	4.14	3.79	0.35	0	4.15	4.15	0	23.19	18.86	4.32	0
Delaware- Remotely Sensed	0.25	0.19	0.06	0	0.2	0.18	0.02	0	2.07	2.07	0	2.52	2.44	0.08	0
Schoharie- Remotely Sensed	1.79	1.27	0.52	0	1.02	0.89	0.13	0	2.67	2.67	0	5.48	4.83	0.65	0
Remotely Sensed Sub- Total^c	16.94	12.39	4.55	0	5.36	4.86	0.5	0	8.89	8.89	0	31.19	26.13	5.05	0
New York Total	46.36	30.22	16.11	0.03	29.45	25.47	3.95	0.03	36.11	36.1	0.01	111.92	91.78	20.06	0.07

This is an entirely new Table since the November 2013 submittal

a: Construction Acreage = all workspace used during construction activities (all temporary workspace plus permanent operation)

b: Operational conversion impacts are not be considered as a “loss” of waters of the US under the Nationwide Permit (NWP). Operation Conversion Acreage = 10-foot wide corridor permanently maintained in herbaceous vegetated cover through PSS wetlands, and 30-foot wide corridor permanently maintained through PFO wetlands where trees within 15 feet of the pipeline with roots that could potentially compromise the pipeline coating will be selectively cut and removed (except between the enter/exit points for a HDD crossing where no clearing will occur). The permanently maintained corridors represent a change in cover type from PFO to PSS and PEM or PSS to PEM; there is no operation impact on PEM wetlands, since there is no change in the pre- and post-construction vegetation cover type. Construction impacts were calculated using a proposed construction footprint surface area and existing land use based on field surveys or desktop analysis, including NWI data, in those areas where permission has not been granted to conduct field surveys. Surface area of operational maintenance corridor as described above were used to calculate acres of operation impact to each pre-construction wetland vegetation cover type for each wetland included in the table. The ROW width at all wetland crossings is 75 feet, except for those wetlands described in Table 3.3-4.

c: Wetlands on inaccessible land parcels were assessed using remote sensing computer models. The remote sensing model is known to overestimate wetlands by approximately 30 to 60 percent. Using this technology ensures that all potential impacts will be mitigated without entering the site. Once access to the property is acquired, wetland boundaries will be verified in the field during wetland delineation. Impact mitigation estimates will be updated and are expected to be lower than estimates based on the remote sensing model.

Note: Columns may not sum exactly due to rounding of values in individual cells.

Note: No impacts to wetlands occur within contractor yards.

Note: The impact numbers above include access road impacts as well as pipeline corridor impacts.



Table 3.3-6a Remotely Sensed Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Temporary Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
REMOTELY SENSED WATERBODIES ASSOCIATED WITH PIPELINE																	
UPPER DELAWARE (HUC 02040101)																	
BR-XX-31.80/ BR-1H-S132	UNT to Oquaga Creek	31.80	32	N/A	42.072249	-75.492569	Sanford/ Broome	Deposit	P	3	0.01	MI	D	N/A	June 1 - Sep 30	No	II
UPPER SUSQUEHANNA (HUC 02050101)																	
CH-XX-43.07	UNT of Cornell Creek	43.07	44	N/A	42.205045	-75.504281	Afton/ Chenango	Afton	P	4	0.01	MI	C	N/A	N/A	No	II
DE-XX-S56.60	UNT to Carrs Creek	56.60	58	N/A	42.301175	-75.317209	Sidney/ Delaware	Unadilla	P	4	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-XX-S56.84	Carrs Creek	56.84	58	N/A	42.305099	-75.310119	Sidney/ Delaware	Unadilla	P	3	0.12	MI	C(T)	(T)	June 1 - Sep 30	Yes	II
DE-XX-S56.90	UNT to Carrs Creek	56.90	58	N/A	42.304935	-75.310322	Sidney/ Delaware	Unadilla	P	3	0.01	MI	C	N/A	N/A	No	II
DE-XX-68.77	UNT to Ouleout Creek	68.77	70	N/A	42.387121	-75.119024	Franklin/ Delaware	Oneonta	P	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-XX-72.97	UNT to Ouleout Creek	72.97	75	N/A	42.419400	-75.059856	Franklin/ Delaware	Oneonta	P	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-XX-75.82	UNT to Ouleout Creek	75.82	78	N/A	42.419770	-75.007554	Davenport/ Delaware	Oneonta	P	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-XX-76.39	UNT to Ouleout Creek	76.39	78	N/A	42.420360	-74.996585	Davenport/ Delaware	West Davenport	P	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-XX-76.46	UNT to Ouleout Creek	76.46	78	N/A	42.420990	-74.995486	Davenport/ Delaware	West Davenport	P	3	0.01	MI	C	N/A	N/A	No	II
DE-XX-77.83	UNT to Charlotte Creek	77.83	80	N/A	42.423778	-74.969552	Davenport/ Delaware	West Davenport	P	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-XX-S79.36	Prosser Hollow Brook	79.30	81	N/A	42.422307	-74.941614	Davenport/ Delaware	West Davenport	P	4	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
DE-XX-84.66	UNT to Charlotte Creek	84.66	86	N/A	42.453377	-74.850650	Davenport/ Delaware	Davenport	P	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II



Table 3.3-6a Remotely Sensed Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - New York

Waterbody ID	Waterbody Name ^a	Approximate Milepost ^b	Alignment Sheet Drawing Number	Waterbody Crossing Site-Specific Drawing Number	Latitude	Longitude	Town / County	Quadrangle	Type ^c	Crossing Length (feet) ^d	Temporary Stream Disturbance (acres)	FERC Class ^e	Water Quality Standard ^f	Fishery Classification ^g	State Fishery Construction Window ^h	NYSDEC Protected Waterbody (Yes or No)	Crossing Method ⁱ
DE-XX-91.82/SC-1G-S006	UNT to Charlotte Creek	91.82	94	N/A	42.501557	-74.734470	Harpersfield/Delaware	Charlotteville	I	3	0.01	MI	C(TS)	(TS)	June 1 - Sep 30	Yes	II
SCHOHARIE (HUC 02020005)																	
SC-XX-S101.48	UNT to Clapper Hollow Creek	101.43	103	N/A	42.569918	-74.592381	Summit/Schoharie	Summit	P	0	0.01	N/A	C	N/A	N/A	No	N/A
Remotely Sensed Waterbodies Pipeline Total Crossing Length										45	0.26						
WATERBODIES ASSOCIATED WITH ACCESS ROADS																	
None	-	-	-	-	-	-	None	-	-	-	-	-	-	-	-	-	-
Total Remotely Sensed Waterbodies Crossing Length New York										45	0.26						

This is a new table since the November 2013 submittal.

N/A = Not Applicable

TBD = To Be Determined

a: UNT: Unnamed Tributary. UNT name was identified based on review of USGS topographical mapping.

b: MP provided for access roads indicate the point at which the access road meets the proposed pipeline.

c: P = perennial; I = intermittent; POW = open water; E = Ephemeral.

d: Crossings and lengths for waterbody features with "XX" in identification name taken from National Hydrography Dataset GIS datalayer (USGS 2012b) and estimated based on scaled aerial photographs. Where tree canopy cover obscured estimation of the waterbody crossing from scaled aerial photographs, a nominal waterbody crossing width of three feet has been included for single-line NHD waterbody features incorporated into project drawings.

e: MI = Minor (<10 feet); I = Intermediate (>10 - <100 feet); MA = Major (>100 feet).

f: NY Water Quality Standards Definition: Water quality standards based on the classification and best use of waterbody as determined by NYSDEC (6 NYCRR Parts 815, 879, 931).

g: N/A = Not applicable, no state fishery classification; NY Fishery Classifications: T = Trout; TS = Trout Spawning (6 NYCRR 701.25).

h: Construction Windows for cold water fisheries are based on correspondence from S. Tomasik of NYSDEC to Constitution dated March 21, 2014. Section 3.0 includes Stream and Wetland Protection Procedures. Potential timing restrictions reflect dates during which construction activities may occur. Streams with no construction timing restrictions, shown as "N/A" on the Table, do not have timing restrictions for construction based on NYSDEC regulations and consultations. Waterbody-specific assignment of construction window based on in-field consultation with the NYSDEC (see Attachment J - Waterbody and Wetland Impacts Master Table for further detail).

i: I = Wet Open Cut Method; II = Dry Crossing Method, including Flume or Dam and Pump, Cofferdam, or Dry Open Cut for waterbodies that are dry at the time of crossing; Method III = Conventional Bore; IV = HDD, V = Direct Pipe Method. Intermittent waterbodies containing discernible flow at the time of construction will be crossed using a dry crossing method, unless otherwise authorized by applicable regulatory agencies.



Table 3.3-6b Waterbody Impact Summary of Surveyed and Remote Sensed Areas for Constitution Pipeline in New York

Watershed (HUC 8)	Crossing Length (feet)	Stream Disturbance (acres)		
		Construction ^a (=Temporary+Operation)	Temporary	Operation ^b (=Permanent Fill)
Upper Susquehanna- Surveyed	1,920	3.05	2.99	0.06
Delaware- Surveyed	494	0.89	0.88	0.01
Schoharie- Surveyed	540	0.65	0.64	0.01
Surveyed Sub-Total	2,954	4.59	4.51	0.08
Upper Susquehanna- Remotely Sensed	42	0.24	0.24	0.00
Delaware- Remotely Sensed	3	0.01	0.01	0.00
Schoharie- Remotely Sensed	0	0.01	0.01	0.00
Remotely Sensed Sub-Total ^c	45	0.26	0.26	0.00
New York Total	2,999	4.85	4.77	0.08

This is a new table since the November 2013 submittal.

a: Construction Acreage = all workspace used during construction activities (all temporary workspace plus permanent operation)

b: Operational impacts are considered as a “loss” of waters of the US under the Nationwide Permit (NWP) and would be associated with a permanent fill of waterbody for an access road culverted crossing or similar structure. There is no operation impact to waterbodies that are crossed by the pipeline during construction and subsequently **restored** to their pre-construction condition. Construction impacts were calculated using a proposed construction footprint surface area and existing land use based on field surveys or desktop analysis, including NWI data, in those areas where permission has not been granted to conduct field surveys.

c: Waterbodies on non-accessible land parcels were assessed using the National Hydrography Dataset GIS datalayer (USGS 2012b) and crossing lengths were estimated based on scaled aerial photographs to allow for calculation of stream disturbance acres. Where tree canopy cover obscured estimation of the waterbody crossing from scaled aerial photographs, a nominal waterbody crossing width of three feet has been included for single-line NHD waterbody features incorporated into project drawings. Waterbody delineation and ground truthing of waterbody boundaries will be performed once access to the property is acquired.

Note: Columns may not sum exactly due to rounding of values in individual cells.

Note: No impacts to waterbodies occur within contractor yards.

Note: The impact numbers above include access road impacts as well as pipeline corridor impacts.



Table 3.3-6c Field-Surveyed Jurisdictional Waterbody and Wetlands Impact Summary for the Constitution Pipeline in New York

Jurisdictional Feature	Crossing Length (feet)	Impact (acres)			Total
		Temporary	Permanent		
			Conversion	Fill	
NYSDEC Article 15 Protected Waters ^a	1,894	2.20	N/A	0.02	2.22
All Other USACE Regulated Waters (Non-Article 15) ^b	1,060	2.36	N/A	0.02	2.38
NYSDEC Article 24 Regulated Wetlands ^c	3,640	5.41	0.80	0.00	6.21
All Other USACE Regulated Wetlands (Non-Article 24) ^b	45,641	60.23	14.21	0.07	74.51
Regulated Waters and Wetlands in New York Total	52,235	70.20	15.01	0.11	85.32
NYSDEC Regulated Wetlands 100-foot Adjacent Area	4,677	4.35	4.27	0.21	8.83

This is a new table since the November 2013 submittal.

N/A: Not Applicable

NYSDEC = New York State Department of Environmental Conservation

USACE = US Army Corps of Engineers

a: NYSDEC Article 15 Protected Waters are jurisdictional waterbodies under NY ECL § 15-0501 et seq. (known generally as Article 15), and implementing Rules and Regulations at 6 NYCRR Part 608 under the jurisdiction of the NYSDEC Protection of Waters Program.

b: All Other USACE Regulated Waters and Wetlands (Non-Article 15; Non-Article 24) are jurisdictional waters of the US under Section 401 of the CWA (33 U.S.C. 1341) and Section 404 of the CWA (33 U.S.C. 1344) and implementing regulations 33 CFR 1-499 and 40 CFR 230-232.

c: NYSDEC Article 24 Regulated Wetlands are jurisdictional wetlands under NY ECL § 24-0101 et seq. (known general as Article 24) and implementing Rules and Regulations at 6 NYCRR Parts 663, 664, and 665 under the jurisdiction of the NYSDEC Freshwater Wetlands Program.



- 3.3.8 Wetland Construction and Operation Impacts**
 - 3.3.8.1 General Wetland Construction Guidelines**
 - 3.3.8.2 Minimization of Vegetation Clearing**
 - 3.3.8.3 Minimization of Grading**
 - 3.3.8.4 Topsoil Segregation**
 - 3.3.8.5 Restoration of Soil Layers**
 - 3.3.8.6 Maintenance of Hydrology**
 - 3.3.8.7 Maintenance of Wetland Erosion Control Devices**
 - 3.3.8.8 Restoration**
 - 3.3.8.9 Wetland Construction Techniques**
 - 3.3.8.9.1 Standard Pipeline Construction**
 - 3.3.8.9.2 Conventional Wetland Construction**
 - 3.3.8.9.3 Push-Pull Technique**
 - 3.3.8.9.4 Trenchless Construction Methods**



Table 3.3-7 Wetlands Crossed Using Trenchless Construction Methods

Wetland ID	Approximate Milepost	Town	County	Wetland Class ^a	Crossing Length (feet) ^b	State Wetland Classification ^c	NYSDEC Regulated Wetland	Crossing Method ^d
							(Yes or No)	
BR-1B-W083	40.86	Sanford	Broome	PEM	187	N/A	No	II, IV
CH-1H-W025	48.10	Bainbridge	Chenango	PEM	9	N/A	No	IV
DE-1X-W158	54.43	Sidney	Delaware	PFO/PEM	2,003	N/A	No	V
DE-1F-W075	55.17	Sidney	Delaware	PFO	192	N/A	No	V
DE-1N-W156A	85.81	Davenport	Delaware	PFO	163	D-11, Class II	Yes	VI
DE-1P-W052	87.85	Davenport	Delaware	PSS	273	N/A	No	VI
SC-1E-W100	101.69	Summit	Schoharie	PFO	260	N/A	No	II, IV
SC-1R-W111	102.57	Summit	Schoharie	PEM/PFO	43	N/A	No	II, IV
SC-1C-W419	110.58	Cobleskill	Schoharie	PSS	10	N/A	No	IV
SC-1Q-W380	119.89	Schoharie	Schoharie	PEM	127	N/A	No	IV

Note: This Table has been entirely updated since the November 2013 submittal.

N/A = Not Applicable – for wetland class with N/A it indicates that the wetland is not classified by the NYSDEC

a: Wetland classification according to Cowardin et al. 1979: PEM = Palustrine Emergent Wetland; PSS = Palustrine Scrub-Shrub Wetland; PFO = Palustrine Forested Wetland.

b: 0.0 ft Crossing Length = wetland is not crossed by the pipeline but is within the workspace.

c: New York classifies wetlands as Class I, II, III, IV (6 NYCRR Chapter X Part 664)

d: Crossing Methods for wetlands are described in Section 3.2.5.1; IV = Conventional Bore; V = Horizontal Directional Drill; VI = Direct Pipe; N/A = Wetland not crossed by pipeline, but within the area of right-of way crossed by trenchless crossing. Proposed crossing method to be confirmed following assessment of subsurface geotechnical conditions.



3.3.8.9.5 Blasting

Table 3.3-8 Wetlands Located in Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline

Wetland ID	Start Milepost ^a	End Milepost ^a	Wetland Class ^b
BR-1H-W151	26.84	26.85	PEM
BR-1K-W172	32.42	32.42	PFO
	32.43	32.45	PFO
BR-1L-W250	42.23	42.25	PEM
CH-1B-W026	48.35	48.36	PFO
	48.36	48.36	PFO
	48.36	48.38	PFO
	48.38	48.39	PFO
	48.39	48.42	PFO
CH-1B-W028	48.44	48.44	PFO
	48.44	48.44	PFO
	48.45	48.46	PFO
CH-1B-W027	48.77	48.78	PFO
CH-1X-W034	49.27	49.29	PFO
	49.42	49.42	PFO
CH-1A-W050	50.56	50.58	PFO
	50.58	50.62	PFO
DE-1B-W025	50.63	50.63	PFO
	50.65	50.67	PFO
	50.67	50.67	PFO
DE-1K-W227	52.27	52.31	PSS
DE-1H-W035	52.36	52.36	PEM
DE-1X-W158	54.83	54.88	PFO
DE-1F-W075	55.17	55.19	PFO
	55.20	55.21	PFO
	55.21	55.21	PFO
	55.21	55.21	PFO
	55.22	55.23	PFO
DE-1K-W228	55.35	55.35	PFO
DE-1C-W205	60.38	60.40	PSS
	60.40	60.40	PSS
DE-1P-W133	60.66	60.66	PEM



Table 3.3-8 Wetlands Located in Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline

Wetland ID	Start Milepost ^a	End Milepost ^a	Wetland Class ^b
DE-1X-W282	67.72	67.75	PFO
DE-1M-W154	76.81	76.81	PFO
DE-1M-W154	76.81	76.82	PFO
	76.83	76.85	PFO
	76.85	76.86	PFO
DE-1M-W148	79.76	79.77	PFO
DE-1C-W346	83.61	83.61	PEM
DE-1N-W006	83.89	83.92	PFO
DE-1L-W300	86.17	86.18	PFO
DE-1C-W217	87.10	87.10	PFO
DE-1G-W017	92.10	92.11	PFO
DE-1Q-W142	93.47	93.49	PFO
SC-1X-W256	95.74	95.80	PSS
SC-1Q-W374	96.04	96.05	PSS
SC-1H-W253	97.06	97.08	PFO
SC-1C-W411	97.34	97.37	PEM
SC-1K-W417	97.62	97.63	PEM
SC-1A-W460	97.81	97.83	PFO
SC-1L-W427	98.61	98.61	PFO
SC-1E-W103	101.77	101.77	PFO
SC-1E-W105	102.09	102.10	PFO
SC-1R-W111	102.57	102.58	PEM
	102.58	102.58	PFO
	102.58	102.58	PFO
SC-1M-W233	103.48	103.49	PFO
	103.49	103.49	PFO
	103.49	103.51	PSS
	103.51	103.54	PFO
SC-1A-W464	103.61	103.63	PSS
SC-1P-W056	104.55	104.56	PEM
SC-1G-W340	105.60	105.65	PEM
SC-1G-W339	105.73	105.73	PEM
SC-1L-W300	106.02	106.03	PFO



Table 3.3-8 Wetlands Located in Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline

Wetland ID	Start Milepost ^a	End Milepost ^a	Wetland Class ^b
SC-1L-W352	106.57	106.57	PEM
SC-1L-W352	106.57	106.58	PEM
SC-1D-W296	107.47	107.47	PFO
	107.47	107.48	PSS
	107.48	107.50	PFO
SC-1Q-W359	108.50	108.51	PFO
SC-1C-W370	109.18	109.19	PEM
	109.19	109.21	PEM
SC-1Q-W363	109.48	109.48	PEM
	109.48	109.50	PFO
SC-1Q-W365	109.73	109.73	PFO
SC-1Q-W365	109.73	109.76	PFO
SC-1Q-W367	109.91	109.95	PEM
SC-1L-W308	110.28	110.29	PSS
SC-1L-W308	110.29	110.30	PSS
SC-1C-W315	110.38	110.40	PSS
SC-1B-W455	110.77	110.77	PSS
SC-1Q-W216	111.96	111.97	PFO
SC-1L-W213	112.02	112.03	PFO

Note: This table has been entirely updated since the November 2013 submittal.

Source: NRCS 2013.

a: Enter/exit MPs represent where the wetland enters and exits the shallow depth to bedrock area.

b: Wetland classification according to Cowardin et al. 1979; PEM = Palustrine Emergent Wetland; PSS = Palustrine Scrub-Shrub Wetland; PFO = Palustrine Forested Wetland.



3.3.9 Avoidance, Minimization, and Mitigation

3.3.9.1 Avoidance

3.3.9.2 Impact Minimization

3.3.9.3 Mitigation

3.4 WATERBODY AND WETLAND CROSSING ALTERNATIVES

3.4.1 Wet Open Cut

3.4.2 Dry Crossings

3.4.3 Conventional Bore

3.4.4 Horizontal Directional Drill



Table 3.4-1 HDD and DP Installation Locations for the Constitution Pipeline in New York

Approximate Milepost ^a		Installation Method Proposed in November 2013 Joint Permit Supplement ^c	Current Installation Method Proposed ^b	Township/County	Reason for Trenchless Crossing	Preferred Alternative Crossing Method	Status as of November 2013 Joint Permit Supplement	Current Status
Begin	End							
47.75 (Bennettsville Creek)		HDD	DP	Bainbridge/ Chenango	Avoidance of Waterbodies: <ul style="list-style-type: none"> • CH-1A-S010 • CH-1C-S010B • CH-1C-S010C • CH-1H-S010D • CH-1H-S010E • CH-1H-S010F 	Dry crossing (Waterbodies)	Conceptual design complete- awaiting site access for geotechnical evaluations.	Trenchless methods are still under evaluation. Final feasibility analyses will be provided with the updated Trenchless Feasibility Report
47.70	47.83							
54.60 (Pine Hill Creek)		HDD	HDD	Sidney/ Delaware	Avoidance of Wetlands and Waterbodies: <ul style="list-style-type: none"> • DE-1X-W158 • DE-1H-S013 • DE-1F-W075 • DE-1M-S075 	Open cut crossing (Wetlands)	Conceptual design complete- awaiting site access (West Side of HDD, have accessed East side borings) for geotechnical evaluations.	
54.36	55.29					Dry crossing (Waterbodies)		
85.82 (NYSDEC Wetland DN-11)		HDD	DP	Davenport/ Delaware	Avoidance of Wetland: <ul style="list-style-type: none"> • DE-1N-W156A 	Open cut crossing (Wetlands)	Conceptual design complete- awaiting site access for geotechnical evaluations.	
85.77	85.87							
87.88 (Middle Brook)		HDD	DP	Davenport/ Delaware	Avoidance of Highway 23 and Waterbody: <ul style="list-style-type: none"> • DE-1T-S051 	Dry crossing (Waterbodies)	Geotechnical exploration complete, lab testing and analysis ongoing.	
87.86	87.93							
119.73 (Schoharie Creek)		DP	DP	Schoharie/ Schoharie	Avoidance of Waterbody: <ul style="list-style-type: none"> • SC-1Q-S289 	Wet crossing (Waterbodies)	Conceptual design and feasibility study complete. DP is judged feasible. Final design pending geotechnical exploration and laboratory work.	
119.67	119.83							

This table has been entirely updated since the November 2013 submittal.

a: The MP locations of sites with a designated status of “N/A” do not correspond with the current MP locations for the proposed supplemental updated Primary Route.

b: Subject to field verification

c: HDD: Horizontal Directional Drilling

DP: Direct Pipe®

TBD: To be determined

Project locations identified as “avoided by route alterations” are no longer crossed by the proposed Primary Route. Avoidance of these locations is a result of incorporation of minor or major route modifications, such that the constraints identified at the specific historic crossing are no longer crossed, or are now crossed at locations which allow for conventional installation methods. Locations awaiting site access are pending landowner agreements for site access or permission to conduct boring operations. Locations not approved for survey are areas where survey access permission could not be obtained. These crossing locations have been modified or abandoned and are no longer associated with the Project.



3.4.5 Direct Pipe Method

3.4.6 Summary of Feasibility Issues with Trenchless Installation Methods

Trenchless methods are still under evaluation for the Project. Final feasibility analyses and details pertaining to trenchless crossing operations and site specific contingency plans will be provided with the updated Trenchless Feasibility Report.



4.0 FISHERIES AND WILDLIFE RESOURCES

Supplemental material within Section 4.0 is limited to new information contained within the associated tables. Please refer to the information provided within the November 2013 supplemental submission for unaltered Project details contained within the narrative.

4.1 FISHERIES OF SPECIAL CONCERN

4.2 NEW YORK STATE PROGRAMS

4.2.1 Trout Waters

4.2.2 Construction and Operation Impacts and Mitigation

4.2.3 Minimization of Impacts

4.3 THREATENED AND ENDANGERED SPECIES



Table 4.3-1 Federal- and State-listed Protected Species Potentially Occurring Within the Project Area and Survey Results

Species Common Name	Scientific Name	Federal Status ^a	State Status ^a	Habitat Type	Surveys Conducted (Yes/No)	Documented within Project ROW (Yes/No)	Potential Effect Determination ^c
Bald Eagle ^b	<i>Haliaeetus leucocephalus</i>	D	T	Associated with riparian and lacustrine habitats (forested areas along rivers and lakes), especially during the breeding season. Important year-round habitat includes wetlands, major waterbodies, spring spawning streams, ungulate winter ranges, and open water areas. Wintering habitat may include upland sites. Nesting site selection is dependent upon maximum local food availability and minimum disturbance from human activity.	Yes	No	No effect
Indiana Bat	<i>Myotis sodalis</i>	E	E	Fall/winter hibernacula located within limestone caverns and abandoned mines; summer roosting in loose bark of trees. While Indiana bats were known to winter in Albany County, the USFWS now believes they are likely extirpated or in such small numbers that it is unlikely they would be present and impacted by any specific proposed projects in Schoharie County. Further, correspondence with NYSDEC detailed that species-specific surveys for Indiana bat would not be required (Herzog 2012).	Yes	No	No effect



Table 4.3-1 Federal- and State-listed Protected Species Potentially Occurring Within the Project Area and Survey Results

Species Common Name	Scientific Name	Federal Status ^a	State Status ^a	Habitat Type	Surveys Conducted (Yes/No)	Documented within Project ROW (Yes/No)	Potential Effect Determination ^c
Northern Monkshood	<i>Aconitum noveboracense</i>	T	T	Found along streams on sandstone in cool ravines shaded by hemlock and hardwoods and on cliffside seeps. Flowers July-August and fruits from August-October Found in Delaware County, NY	Yes	None identified to date	No adverse effect on accessible parcels. Additional surveys pending landowner survey access permission.
Hooker's orchid	<i>Platanthera hookeri</i>	-	E	Dry to moist coniferous and deciduous forests with an open understory, and successional forests-flowers mid-May-early August	Yes	None identified	No effect
Northern wild comfrey	<i>Cynoglossum virginianum</i>	-	E	Along borders of deciduous woods and thickets or along paths or trails in sandy or rocky, dry circumneutral or calcareous soils-flowers mid-May-July, fruits-mid June-mid October.	Yes	None identified	No effect
Dwarf Wedgemussel	<i>Alasmidonta heterodon</i>	E	E	Inhabits creek and river areas with slow to moderate current and a sandy, gravel, or muddy bottom. Known populations occur in the upper Delaware River in Sullivan and Delaware counties and one major downstream tributary, the lower Neversink River in Orange County.	Yes	No	No adverse effect on accessible parcels.



Table 4.3-1 Federal- and State-listed Protected Species Potentially Occurring Within the Project Area and Survey Results

Species Common Name	Scientific Name	Federal Status ^a	State Status ^a	Habitat Type	Surveys Conducted (Yes/No)	Documented within Project ROW (Yes/No)	Potential Effect Determination ^c
Yellow lampmussel	<i>Lampsilis cariosa</i>	-	Unlisted	Inhabits small to large rivers with sandy substrates. This species identified as occurring in Schoharie Creek.	No – Survey could not be completed due water conditions.	No Surveys completed	No effect -Direct impact avoided through implementation of trenchless construction method.

This table has been updated since the November 2013 submittal.

Source: Species list is based on informal consultations with the USFWS, review of the USFWS New York Field Office website, and consultations with NYNHP (Conrad 2012 and 2013, Herzog 2012; Niver 2012; Pietrusiak 2012; Stilwell 2012; USFWS 2012b; VanArsdale 2013).

a: Status Key: D = Delisted; E = Endangered; T = Threatened

b: The bald eagle is no longer a federal-listed endangered or threatened species, but is protected under the BGEPA and the MBTA. See Section 3.4.1.1.1 for further information.

c: Concurrence on effect determinations is pending final consultation with the USFWS New York Field Office and NYSDEC. A preliminary “No effect” determination by Constitution is due to the completion of survey with no documented occurrence of the species or its habitat in the Project Area. TBD-Effect determination to be determined once habitat assessment or presence/absence surveys has been completed.



5.0 NEW YORK STATE LANDS

Supplemental material within Section 5.0 is limited to new information contained within the associated tables. Please refer to the information provided within the November 2013 supplemental submission for unaltered Project details contained within the narrative.

5.1 MELONDY HILL STATE FOREST

5.2 CLAPPER HOLLOW STATE FOREST



Table 5.0-1 New York State Lands Crossed by the Constitution Project

County	Milepost	Name of Area	Land Ownership Management	Crossing Length (feet)	Existing Land Uses Crossed ^a	Area Affected (Acres)	
						Construction ^b	Operation ^c
Chenango	42.54-42.59	Melondy Hill State Forest	NYSDEC	307	UF, RD	0.86	0.39
Schoharie	97.02-97.09	Clapper Hollow State Forest	NYSDEC	333	UF, PEM, PFO, RE, WB, OL	1.36	0.47

This table has been entirely updated since the November 2013 submittal.

Source: USGS 2012.

a: UF = Upland Forest, RD = Road, OL = Open Land, PEM = Palustrine Emergent Wetland, PFO = Palustrine Forested Wetland, RE = Residential, WB = Waterbody

b: Construction Acreage = workspace utilized during construction activities (temporary plus permanent);

c: Operation Acreage = 50-foot width permanently maintained easement through upland areas; 10-foot wide corridor permanently maintained in herbaceous vegetated cover through PSS wetlands, and 30-foot wide corridor permanently maintained through PFO wetlands where trees within 15 feet of the pipeline with roots that could potentially compromise the pipeline coating will be selectively cut and removed. The permanently maintained corridors represent a change in cover type from PFO to PSS and PEM or PSS to PEM; there is no operation impact on PEM wetlands, since there is no change in the pre- and post-construction vegetation cover type.



6.0 COMPLIANCE WITH REGULATORY STANDARDS

Supplemental material within Section 6.0 is limited to new information contained within the associated tables. Please refer to the information provided within the November 2013 supplemental submission for unaltered Project details contained within the narrative.

6.1 FEDERAL

6.1.1 Section 404 Clean Water Act

6.1.1.1 Compliance with NWP 12 and NWP General and Regional Conditions

6.1.2 Section 401 Water Quality Certification

6.2 NEW YORK STATE

6.2.1 Protection of Waters

6.2.1.1 Standards for Permit Issuance

6.2.2 Freshwater Wetlands

6.2.2.1 Compatibility Test

6.2.2.2 Weighing Standards

6.2.2.3 Mitigation

6.3 CONCLUSION



7.0 REFERENCES

- Bishop, Daniel L. 2012. Electronic mail from Daniel L. Bishop, NYSDEC Bureau of Fisheries Region 7, to John Zimmer, AECOM, dated May 17, 2012.
- Colligan, Mary. 2013. Correspondence on April 30, 2013, between Mary Colligan from National Oceanic and Atmospheric Administration (NOAA), to Gregory Hufnagel, AECOM.
- Conrad, Nicholas. 2012. Letter from Nicholas Conrad, NYSDEC Natural Heritage Program, to John Zimmer, AECOM, dated October 16, 2012.
- Conrad, Nicholas. 2013. Letter from Nicholas Conrad, NYSDEC Natural Heritage Program, to Greg Hufnagel, AECOM, dated June 13, 2013.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of Wetlands and Deepwater Habitats in the United States. Office of Biological Services, U.S. Fish and Wildlife Service, FWS/OBS 79/31: 47 pp.
- Crocker, Julie. 2012. Correspondence on October 25, 2012, between Julie Crocker from National Oceanic and Atmospheric Administration, to John Zimmer, AECOM.
- Damon-Randall, Kimberly. 2012. Correspondence on May 17, 2012, between Kimberly Damon-Randall from National Oceanic and Atmospheric Administration (NOAA), to John Zimmer, AECOM.
- Department of Defense and Environmental Protection Agency. April 10, 2008. Compensatory Mitigation for Losses of Aquatic Resources. Final Rule. Federal Register. Vol. 73, No. 70.
- Edinger, G.J., D.J. Evans, S. Gebauer, T.G. Howard, D.M. Hunt, and A.M. Olivero (editors). 2002. Ecological Communities of New York State. Second Edition. A revised and expanded edition of Carol Reschke's Ecological Communities of New York State [Online WWW]. (Draft for review). New York Natural Heritage Program, New York State Department of Environmental Conservation, Albany, NY. Available URL: <http://www.dec.ny.gov/animals/29392.html>. [Accessed August 21, 2012].
- Federal Emergency Management Agency (FEMA). 2004. National Flood Insurance Program. Flood Insurance Rate Map. Map Number 36095C0183E. Effective date April 2, 2004.
- Federal Emergency Management Agency (FEMA). 2010. National Flood Insurance Program. Flood Insurance Rate Map. Map Number 36017C0601E. Effective date November 26, 2010.
- Federal Emergency Management Agency (FEMA). 2012. National Flood Insurance Program. Flood Insurance Rate Map. Map Number 36025C0259D. Effective date June 19, 2012.
- Federal Emergency Management Agency (FEMA). 2013a. National Flood Insurance Program. Flood Insurance Rate Map. Map Number 42115C0270C. Effective date April 2, 2013.



- Federal Emergency Management Agency (FEMA). 2013b. National Flood Insurance Program. Flood Insurance Rate Map. Map Number 42115C0280C. Effective date April 2, 2013.
- Federal Emergency Management Agency (FEMA). 2013c. National Flood Insurance Program. Flood Insurance Rate Map. Map Number 4211C0276C. Effective date April 2, 2013.
- Federal Emergency Management Agency (FEMA). 2013d. National Flood Insurance Program. Flood Insurance Rate Map. Map Number 42115C0277C. Effective date April 2, 2013.
- Federal Emergency Management Agency (FEMA). 2013e. National Flood Insurance Program. Flood Insurance Rate Map. Map Number 42115C0140C. Effective date April 2, 2013.
- Federal Emergency Management Agency (FEMA). 2013f. National Flood Insurance Program. Flood Insurance Rate Map. Map Number 42115C0133C. Effective date April 2, 2013.
- Federal Energy Regulatory Commission (FERC). 2013a. Upland Erosion Control, Revegetation, and Maintenance Plan (May 2013 version) Washington, D.C.
- Federal Energy Regulatory Commission (FERC). 2013b. Wetland and Waterbody Construction and Mitigation Procedures (May, 2013 version).
- Fraine, Jerome. 2012. Letter from Jerome Fraine, NYSDEC Division of Fish, Wildlife, and Marine Resources, Region 4, Bureau of Fisheries, to John Zimmer, AECOM, dated November 5, 2012.
- Herzog, Carl. 2012. Phone conversation on April 16, 2012, between Carl Herzog, New York State Department of Environmental Conservation (NYSDEC) and Michael Cooper, Vesper (subcontractor to AECOM).
- INGAA. 1999. Temporary Right-of-Way Width Requirements for Pipeline Construction. Gulf Interstate Engineering, prepared for the Interstate Natural Gas Association of America Foundation, Inc. Washington, D.C. [Online WWW]. Available URL: <http://www.ingaa.org/Foundation/Foundation-Reports/Studies/FoundationReports/514.aspx>. [Accessed September 12, 2012].
- Lemon, David. 2013a. Email correspondence from David Lemon, NYSDEC Bureau of Fisheries Region 7, to Christopher Newhall, AECOM, dated June 19, 2013.
- Lemon, David. 2013b. Email correspondence from David Lemon, NYSDEC Bureau of Fisheries Region 7, dated September 9, 2013.
- Lemon, David. 2013c. Email correspondence from David Lemon, NYSDEC Bureau of Fisheries Region 7, dated November 5, 2013.
- Lemon, David. 2013d. Email correspondence from David Lemon, NYSDEC Bureau of Fisheries Region 7, dated November 27, 2013.



- National Park Service (NPS). 2012. Nationwide Rivers Inventory [Online WWW]. Available URL: <http://www.nps.gov/ncrc/programs/rtca/nri/>. [Accessed July 2, 2012].
- National Wild and Scenic Rivers System. 2012. Explore Designated Rivers. [Online WWW]. Available URL: <http://www.rivers.gov/rivers/map.php>. [Accessed July 2, 2012].
- Natural Resources Conservation Service. 2007. Watersheds, Hydrologic Units, Hydrologic Unit Codes, Watershed Approach, and Rapid Watershed Assessments. [Online WWW]. Available URL: http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1042207.pdf. [Accessed January 11, 2013].
- New York Department of State (DOS). 2013. Email correspondence on May 2, 2013 between Matthew Maraglio, NYDOS, and John Zimmer, AECOM.
- New York State Department of Environmental Conservation (NYSDEC). 2010. Final Phase I Nutrient and Sediment Water Quality Improvement and Protection Plan for the New York Susquehanna and Chemung River Basins and Chesapeake Bay Total Maximum Daily Load. [Online WWW]. Available URL: http://www.dec.ny.gov/docs/water_pdf/finalphaseiwip.pdf. [Accessed February 4, 2013].
- New York State Department of Environmental Conservation (NYSDEC). 2012a. Watersheds, Lakes, Rivers. [Online WWW]. Available URL: <http://www.dec.ny.gov/lands/26561.html>. [Accessed August 14, 2012].
- New York State Department of Environmental Conservation (NYSDEC). 2012b. Protection of Waters Program. [Online WWW]. Available URL: <http://www.dec.ny.gov/permits/6042.html>. [Accessed August 14, 2012].
- New York State Department of Environmental Conservation (NYSDEC). 2012c. Wild, Scenic, and Recreational Rivers. [Online WWW]. Available URL: <http://www.dec.ny.gov/lands/32739.html>. [Accessed August 16, 2012].
- New York State Department of Environmental Conservation (NYSDEC). 2012d. Final New York State 2012 Section 303(d) List of Impaired Waters Requiring a TMDL/Other Strategy. [Online WWW]. Available URL: http://www.dec.ny.gov/docs/water_pdf/303dlistpropfnl2012.pdf. [Accessed December 17, 2012].
- New York State Department of Environmental Conservation (NYSDEC). 2012e. Freshwater Wetlands Program. [Online WWW]. Available URL: <http://www.dec.ny.gov/lands/4937.html>. [Accessed August 20, 2012].
- New York State Department of Environmental Conservation (NYSDEC). 2013a. Recommended Best Management Practices (BMPs) for Gas Transmission Line Construction Projects. May 16, 2013.
- New York State Department of Environmental Conservation (NYSDEC). 2013b. Final Phase II Watershed Implementation Plan for New York Susquehanna and Chemung River Basins and Chesapeake Bay Total Maximum Daily Load. [Online WWW]. Available URL: http://www.dec.ny.gov/docs/water_pdf/finalphaseiwiip.pdf. [Accessed February 4, 2013].



- Niver, Robyn. 2012. Correspondence on April 20, 2012, between Robyn Niver, USFWS New York Field Office and Michael Cooper, Vesper Environmental, LLC (subcontractor to AECOM).
- Pietrusiak, Jean. 2012. Correspondence May 18, 2012, between Jean Pietrusiak, New York State Department of Environmental Conservation, Natural Heritage Program and John Zimmer, AECOM.
- Stilwell, David. 2012. Correspondence on June 7, 2012, between David Stilwell, United States Fish and Wildlife Service New York Field Office, and John Zimmer, AECOM.
- Tomasik, Stephen. 2013a. Email correspondence from Stephen Tomasik, NYSDEC Division of Environmental Permits to Keith Silliman and Lynda Schubring dated October 8, 2013.
- Tomasik, Stephen. 2013b. Memorandum from Stephen Tomasik, NYSDEC Division of Environmental Permits to Gregory Hufnagel of AECOM dated November 13, 2013.
- United States Geological Society (USGS). 2012. Protected Areas Database of the United States (PADUS) version 1.2 Digital vector data [Online WWW]. Available URL: http://www.gap.uidaho.edu/padus/PADUS1_2_metadata_html.html. [Accessed August 10, 2012].
- U.S. Army Corps of Engineers (USACE). 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1. Vicksburg, MS: U.S. Army Engineer Waterways Experiment Station. Available URL: <http://el.ercd.usace.army.mil/wetlands/pdfs/wlman87.pdf>.
- U.S. Army Corps of Engineers (USACE). 2012. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0), ed. J. S. Wakeley, R. W. Lichvar, C. V. Noble, and J. F. Berkowitz. ERDC/EL TR-12-1. Vicksburg, MS: U.S. Army Engineer Research and Development Center. [Online WWW]. Available URL: http://www.usace.army.mil/Portals/2/docs/civilworks/regulatory/reg_supp/NCNE_supp2.pdf. [Accessed August 9, 2012].
- U.S. Army Corps of Engineers (USACE). 2013. List of Navigable Waters [Online WWW]. Available URL: <http://www.lrb.usace.army.mil/Missions/Regulatory.aspx>. [Accessed June 21, 2013].
- US Department of Energy, National Renewable Energy Laboratory (NREL). 2010. URL: http://www.nrel.gov/wind/resource_assessment.html. Accessed May 2013.
- USEPA. 2007. Natural Gas: Electricity from Natural Gas. Last updated December 28, 2007. [Online WWW]. Available URL: <http://www.epa.gov/cleanenergy/energy-and-you/affect/natural-gas.html>. [Accessed December 29, 2011].
- USEPA. 2012. Renewable Portfolio Standards Fact Sheet – Renewable Portfolio Standards: An Effective Policy to Support Clean Energy Supply. Last updated April 2009. [Online WWW]. Available URL: http://www.epa.gov/chp/state-policy/renewable_fs.html. [Accessed August 13, 2012].



VanArsdale, Scott. 2013. Correspondence on February 27, 2013, between the New York State Department of Environmental Conservation and Chris Newhall, AECOM.

VanMaaren, Chris. 2013. Email communication between Chris VanMaaren, NYSDEC Region 4 and Chris Newhall, AECOM in an email dated May 16, 2013.

Village of Sidney. 2011. Village of Sidney Annual Drinking Water Quality Report for 2011. 21 Liberty Street Sidney, NY 13838.