



Tappan Zee Hudson River Crossing Project

Request for Proposals

List of Reference Documents

THE CONTENTS OF THE REFERENCE DOCUMENTS HAVE BEEN REDACTED IN THEIR ENTIRETY

The Reference Documents listed below are provided for information purposes only. No undertaking as to the accuracy of the information in any Reference Document is made by the Authority or its representatives and consultants, and the information should not be relied upon for design or construction or other purposes.

Document Name	Description
0 DEIS	
4-0-1 TZHRC DEIS Volume I - Chapters (folder)	TZHRC Draft Environmental Impact Statement (issued January 2012) Chapters 1 to 23
4-0-2 TZHRC DEIS Volume II - Appendices (folder)	TZHRC Draft Environmental Impact Statement (issued January 2012) Appendices A to H
4-0-3 TZHRC DEIS Public comment (folder)	Summary of comments on DEIS Chapter 9 (Visual and Aesthetic Resources) during public consultation period. Folder and one file added to Reference Documents at Addendum #5. Filename: 4-0-3-1 DEIS Chapter 9 Comments (May 2012) .pdf
1 Geotechnics	
4-1-1 TZ 2006 Geo Data Rpt.pdf	Subsurface investigation, laboratory test programs and interpretation of subsurface conditions
4-1-2 TZ 2003 Geo Data Rpt.pdf	Desk study of available geotechnical data to date, preliminary investigation
4-1-3 2007 Geo Data Rpt Vol1.pdf	Investigation of subsurface conditions Appendix 1 - 2006-2007 Laboratory testing Appendix 2 - 2006-2007 Boring logs

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Document Name	Description
4-1-4 2007 Geo Data Rpt Vol2.pdf	Appendix 3 - Subsurface laboratory test and boring logs Appendix 4 - Historical boring data
4-1-5 2004 I287 Corridor Desk Study.pdf	2004 report summarizing the subsurface geotechnical data along the current alignment of I-287 in the vicinity of the crossing. The report identified areas where additional geotechnical data is required.
4-1-6 Scope of TZHRC 2012 subsurface investigation.pdf	Exploratory hole location plans and depths for 2012 geotechnical investigation at TZHRC
2 Foundations	
4-2-1 Foundations Options Rpt.pdf	2011 Foundations for the feasible alternatives for the TZHRC
4-2-2 Scope of TZHRC 2012 pile installation demonstration program.pdf	Drawings for 2012 pile installation demonstration program (PIDP) for TZHRC
4-2-3 TZ Bridge Fender Piles (1999).zip	Pile driving and PDA test results from fender piling operations at [REDACTED] in 1999
3 Bridge Drawings	
4-3-5 UnderbridgeClearance-8Nov2011.pdf	Underbridge clearance report
4 Traffic Data	
4-4-1-20111030 Barrier Station Traffic by Class by Time.xls	October 30, 2011 - Non-audited traffic data barrier stations
4-4-2-20111030 Barrier Station Traffic by Class by Time.xls	October 31, 2011 - Non-audited traffic data barrier stations

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Document Name	Description
4-4-3-20111101 Barrier Station Traffic by Class by Time.xls	November 1, 2011 - Non-audited traffic data barrier stations
4-4-4-20111102 Barrier Station Traffic by Class by Time.xls	November 2, 2011 - Non-audited traffic data barrier stations
4-4-5-20111103 Barrier Station Traffic by Class by Time.xls	November 3, 2011 - Non-audited traffic data barrier stations
4-4-6-20111104 Barrier Station Traffic by Class by Time.xls	November 4, 2011 - Non-audited traffic data barrier stations
4-4-7-20111105 Barrier Station Traffic by Class by Time.xls	November 5, 2011 - Non-audited traffic data barrier stations
4-4-8 Active ITS TZB_Corridor.pdf	Active ITS devices in the Tappan Zee Bridge Corridor December 2011
4-4-9 Active ITS Cross_Westchester_Corridor.pdf	Active ITS devices in the Cross Westchester Expressway Corridor
4-4-10 Active ITS CWE_I95.pdf	Active ITS devices on Cross Westchester Expressway & I-95
4-4-11 Active ITS I95_Corridor.pdf	Active ITS devices on the I-95 Corridor
4-4-12 Active ITS Mainline_Exit12.pdf	Active ITS devices on the Mainline near Exit 12 & 13
4-4-13 Active ITS Mainline_Exit15.pdf	Active ITS devices on the Mainline near Exit 15 & 15A
4-4-14 Active ITS Mainline_Exit16.pdf	Active ITS devices on the Mainline near Exit 16

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Document Name	Description
4-4-15 Active ITS Mainline_Exit17.pdf	Active ITS devices on the Mainline near Exit 17
4-4-16 Active ITS Mainline_GSP.pdf	Active ITS devices on the Mainline near Garden State Parkway
4-4-17 Active ITS Mainline_Southern_Portion.pdf	Active ITS devices on the southern portion of the Mainline
4-4-18 TZB Toll Plaza Traffic Counts (2011).zip	Zipped Microsoft Access ® format file containing Tappan Zee Bridge Toll Plaza traffic counts, classifications and payment data recorded in 2011. File added to Reference Documents (Traffic Data sub-folder) at Addendum #3.
5 Technical Reports (Confidential)	
4-5-1-Rehab and Replacement Report.pdf	March 2009 - Analysis of rehabilitation & replacement of the Tappan Zee Bridge
4-5-2 Exist Conditions-rpt.pdf	September 2008 Existing conditions report, examining status, evaluation of condition, exploration and costing of preservation and rehabilitations options
4-5-3 ExistCond_Rpt Appendices.zip	June 2008 Existing conditions report appendices
4-5-4 Struct-Assess_Main-Rpt.pdf	September 2008 Structural assessments completed of existing Tappan Zee Bridge
4-5-4 Struct-Assess_Main-Rpt.pdf	September 2008 Appendix A1 - Stringer load rating methodology, Appendix A2 - Stringer assessment results, Appendix A3 - Causeway substructure assessments
4-5-6 App B Struct-Assess Rpt.pdf	September 2008 Appendix B1 - Deck truss spans assessment, Appendix B2 - Deck truss floor beam load rating, Appendix B3 - Deck truss load rating, Appendix B4 - Bearing stools and twisting stringers
4-5-7 App C Struct-Assess Rpt.pdf	September 2008 Appendix C1 - Main spans assessment, Appendix C2 - Main spans mislocation, Appendix C3 - Main spans wind calculation

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Document Name	Description
4-5-8 Seismic Main Rpt.pdf	September 2008 Report on the results of the seismic assessments completed for the existing bridge & analysis of possible foundations for a possible replacement bridge.
4-5-9 App A - Seismic Rpt.pdf	September 2008 Appendix A - Report on technical basis for site specific ground motions
4-5-10 App B - Seismic Assessments West Trestle.pdf	September 2008 Appendix B - Report documenting seismic assessments undertaken for west trestle spans
4-5-11 App C - Seismic Truss Spans Calcs.pdf	September 2008 Deck truss spans supporting calculations (Phase 1)
4-5-12 App D - Seismic Calcs for Main Span.pdf	September 2008 Supporting calculations for main spans (Phase 1)
Folder: 4-5-13 TZB Diving Inspection (2010)	Folder and six files added to Reference Documents at Addendum #4. Filenames: 4-5-13-1 TZB 2010 Diving Inspection Section 1 of 6.pdf 4-5-13-2 TZB 2010 Diving Inspection Section 2 of 6.pdf 4-5-13-3 TZB 2010 Diving Inspection Section 3 of 6.pdf 4-5-13-4 TZB 2010 Diving Inspection Section 4 of 6.pdf 4-5-13-5 TZB 2010 Diving Inspection Section 5 of 6.pdf 4-5-13-6 TZB 2010 Diving Inspection Section 6 of 6.pdf
6 Existing Bridge – Previous Contracts (Confidential)	
4-6-1-HT 52-1.pdf	Original build Contract. 1952 - Contract 1 (7 sheets). Rockland. 154 Reinforced concrete frame bents on timber piles, 1.46 miles
4-6-2-HT 52-2.pdf	Original build. 1952 - Contract 2 (8 sheets). Westchester. Driving Piles, Construction of Cofferdams, Concrete Foundation to rock, Icebreakers, 0.42 miles
4-6-3-HT 52-3.pdf	Original build contract. 1952 - Contract 3 (49 sheets). Westchester. Dredging, foundation work (including caissons & piles) , 0.92 miles

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Document Name	Description
4-6-4-HT 52-3R.pdf	Original build 1952 - contract 3R (77 sheets). Westchester Dredging, foundation work (including caissons & piles) 0.92 miles
4-6-5-HT 53-1.pdf	Original build. 1953 - Contract 1 (19 sheets). Westchester and Rockland. Bridge superstructure 1.6 Miles (plate girders and I-beam, alpha)
4-6-6-HT 53-2.pdf	Original build. 1953 - Contract 2 (4 sheets). Westchester. Bridge substructure - reinforced concrete rigid frame bents and other miscellaneous work 0.10 mile
4-6-7-HT 53-3ABC Part1.pdf	Original build. 1953 - Contract 3 Part 1 (1-45 of 82 sheets). A - East & west approach spans, truss & stringer type on existing bents (including railing). B - Steel bents on existing concrete foundations & main span (cantilever truss and suspended span). C - A combination of contract A & contract B
4-6-8-HT 53-3ABC Part2.pdf	Original build. 1953 - Contract 3 - Part 2 - 45-82 of 82 sheets. A - East & west approach spans, truss & stringer type on existing bents (including railing). B - Steel bents on existing concrete foundations & main span (cantilever truss & suspended span). C - A combination of contract A & contract B
4-6-9-HT 53-5B.pdf	Original build. 1953 - Contract 5B (5 sheets). Westchester. ROW alignments
4-6-10-HT 53-6.pdf	Original build. 1953 - Contract 6 (22 sheets) Westchester & Rockland Counties. Bridge substructure (reinforced concrete rigid frame bents on existing foundations) and construction hatchways on existing foundations, demolition 1.34 miles
4-6-11-HT 53-10 Part 1.pdf	Original build Contract. 1953 - Contract 10 (1-100 of 151 sheets). Rockland. Reinforced concrete pavement. 1.57 miles, unreinforced concrete pavement 3.07 miles, relocation of Erie R.R. 0.56 miles, asphalt concrete type 1A, Opt. 0.78 miles
4-6-12-HT 53-10 Part 2.pdf	Original build. 1953 - Contract 10 (101-151 of 151 sheets). Rockland. Reinforced concrete pavement 1.57 Miles, unreinforced concrete pavement 3.07 miles, relocation of Erie R.R. 0.56 miles, asphalt concrete type 1A, Opt. 0.78 miles
4-6-13-HT 54-1.pdf	Original build. 1954 - Contract 1 (24 sheets). Westchester & Rockland. Complete systems - highway lighting conduit, emergency telephone conduit, navigation, airway obstruction lighting & fog bell, sump pump and services, bonding & grounding of steel structure
4-6-14-HT 54-2.pdf	Original build. 1954 - Contract 2 (66 sheets). Westchester & Rockland. Reinforced concrete paving of bridge deck including curbs & malls, 2.96 miles
4-6-15-HT 54-3.pdf	Original build. 1954 - Contract 3 (17 sheets). Westchester. Reinforced concrete pavement 1.72 miles, asphalt concrete, optional 0.09 mile

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Document Name	Description
4-6-16-HT 55-1.pdf	Original build. 1955 - Contract 1 (15 sheets). Westchester & Rockland. Lighting facilities 3.39 miles
4-6-17-HT 55-8.pdf	Original build. 1955 - Contract 8 (11 sheets). Westchester. Construction & repair of ice breakers
4-6-18-TAH 60-2.pdf	Major maintenance. 1960 - Contract 2 (14 sheets). Asphalt Concrete Type 2 wearing surface on existing reinforced concrete deck 1.93 Miles.
4-6-19-TAH 61-2.pdf	Major maintenance. 1961 - Contract 2 (25 sheets). Westchester & Rockland. East approaches & main span asphalt concrete wearing surface 1.12 miles
4-6-20-TAH 62-5.pdf	Major maintenance. 1962 - Contract 5 (2 sheets). Westchester. Concrete icebreaker [REDACTED]
4-6-21-TAH 63-11.pdf	Major maintenance. 1963 - Contract 11 (2 sheets). Westchester. Constructing up-stream ice-breakers
4-6-22-TAH 72-18B.pdf	Major maintenance. 1972 - Contract 18 (13 sheets). Westchester. Record plans, rehab of TZB deck slab joints, [REDACTED]
4-6-23-TAH 73-22B.pdf	Major maintenance. 1973 - Contract 22B (7 sheets). Westchester and Rockland. Record plans, removal & replacement of asphalt concrete wearing service and deck repair 6.22 miles
4-6-24-TAH 74-12B.pdf	Major maintenance. 1974 - Contract 12B (7 sheets). Westchester and Rockland. Record plans, removal & replacement of asphalt concrete wearing service and deck repair 6.44 miles
4-6-25-TA 74-17G.pdf	Major maintenance. 1974 - Contract 17G (10 sheets). Westchester & Rockland. Record plans, furnishing & installing concrete median barrier 0.58 miles
4-6-26-TANY 76-19B.pdf	Major maintenance. 1976 - Contract 19B (10 sheets). Westchester & Rockland. Record plans, repairs to maintenance platforms, catwalk extension & expansion joints on TZB
4-6-27-TA 77-3B.pdf	Major maintenance. 1977 - Contract 3B (7 sheets). Westchester & Rockland. As-built - replacement of electrical drive components and wiring for maintenance platforms

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Document Name	Description
4-6-28-TANY 78-29B.pdf	Major maintenance. 1978 - Contract 29B (3 sheets). Westchester. Repair of damaged bridge structure
4-6-29-TANY 80-3G.pdf	Major maintenance. 1980 - Contract 3G (14 sheets). Westchester & Rockland. Record plans - plans for furnishing & installing median barrier
4-6-30-TANY 80-9B.pdf	Major maintenance. 1980 - Contract 3G (4 sheets). Westchester. Record plans - repairs to fender structures
4-6-31-TANY 82-16E.pdf	Major maintenance. 1982 - Contract 16E (4 sheets). Westchester & Rockland. Record plans - plans for the rehabilitation of TZB lighting system
4-6-32-TANY 82-18B.pdf	Major maintenance. 1982 - Contract 18B (4 sheets). Westchester. New caisson catwalks
4-6-33-TANY 83-22E.pdf	Major maintenance. 1983 - Contract 22E (25 sheets). Westchester & Rockland. Record plans - plans for the rehabilitation of TZB lighting system
4-6-34-TANY 84-27E.pdf	Major maintenance. 1984 - Contract 27E (21 sheets). Westchester. Record plans - removal & replacement of sump pumps, conduit & discharge pipes in caissons
4-6-35-TANY 85-49B.pdf	Major maintenance. 1985 - Contract 49B (83 sheets). Westchester & Rockland. Record plans - removal & replacement of asphalt concrete wearing surface addition of one southbound traffic lane, removal, modification & replacement of portions of the existing structural slab, structural steel modification
4-6-36-TANY 90-34B.pdf	Major maintenance. 1990 - Contract 34B - 16 sheets. Westchester. As-built revisions - erection of stanchion supported cable safety lines and necklace lighting on main span
4-6-37-TANY 90-61B.pdf	Major maintenance. 1990 - Contract 61B - 41 sheets. Westchester & Rockland. As-built plan rehabilitation/ replacement of the existing bearings on the deck truss & causeway spans of the TZB
4-6-38-TANY 91-8B.pdf	Major maintenance. 1991 - Contract 8B (123 sheets). Westchester. Record plans - replacement of TZB caisson pumps, electrical feeders, controls, construct a new computer room
4-6-39-TANY 91-25B.pdf	Major maintenance. 1991 - Contract 25B (92 sheets). Westchester & Rockland. Record plans, as-built revisions - structural steel repairs

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Document Name	Description
4-6-40-TANY 92-2B.pdf	Major maintenance. 1992 - Contract 2B (112 sheets). Westchester & Rockland. Record plans, installation of movable barrier system & rehabilitation of the South Broadway (South Nyack) Bridge
4-6-41-TANY 94-58B.PDF	Major maintenance, 1994 - Contract 58B (13 sheets), Westchester & Rockland. Record plans, replace bridge deck in southbound lanes
4-6-42-TANY 95-29B.PDF	Major maintenance, 1995 - Contract 29B (89 sheets), Westchester & Rockland. Record Plans - As-built revisions - structural steel repairs & navigation light repairs at the TZB
4-6-43-TANY 96-1B.PDF	Major maintenance, 1996 - Contract 1B (74 sheets), Westchester & Rockland. Record plans - strip, repair, seal & overlay deck of west trestle spans & center lane deck & stringers replacements of the west trestle spans to [REDACTED] at M.P.14.6
4-6-44-TANY 96-10B.PDF	Major maintenance, 1996 - Contract 10B (8 sheets). Westchester. Record plans - partial report of the existing pier fender systems [REDACTED] M.P. 14.67
4-6-45-TANY 97-9B Part 1.PDF	Major maintenance, 1997 - Contract 9B Part 1 - (1-152 of 256 sheets), Westchester & Rockland - plans for the substructure repairs of the TZB at Milepost 14.67
4-6-46-TANY 97-9B Part 2.PDF	Major maintenance, 1997 - Contract 9B Part 1 - (153-256 of 256 sheets), Westchester & Rockland - plans for the substructure repairs of the TZB at Milepost 14.67
4-6-47-TANY 97-46BP.PDF	Major maintenance, 1997 - Contract 46BP (37 sheets). Westchester - Record plans - as-built revisions - replacement of existing pier protection system on piers [REDACTED] & cleaning & painting of pier [REDACTED] towers of the TZB
4-6-48-TANY 97-65B.PDF	Major maintenance. 1997 - Contract 65B (56 sheets), Westchester - Record plans - main channel pier protection [REDACTED] & the painting & cleaning of the pier [REDACTED] towers of the TZB
4-6-49-TANY97-32B 1-2.pdf	Major maintenance, 1997 - Contract 32B 1-2 (1-40 of 64 sheets), Westchester & Rockland - Record plans - as-built revisions - deck replacement and rehabilitation, joint replacement & rail upgrade of the TZB at M.P. 14.67
4-6-50-TANY97-32B 2-2.pdf	Major maintenance, 1997 - Contract 32B 2-2 (41-64 of 64 sheets), Westchester & Rockland - Record plans - as-built revisions - deck replacement and rehabilitation, joint replacement & rail upgrade of the TZB at M.P. 14.67
4-6-51-TANY 01-42B.pdf	Major maintenance, 2001 - Contract 42B (8 sheets), Rockland County, bulk heading, sheet piling and shoreline stabilization of the TZB at M.P.14.67

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Document Name	Description
4-6-52-TANY 10-9B.zip	2010 - Superstructure replacements of lanes 3 & 5 from [REDACTED] & lanes 3-5 from [REDACTED]. Repair and painting of steel, members from [REDACTED] upgrade of the neckace lighting wiring system, installation of traffic speed signs and electrical grounding,. Repair of east deck truss exodermic panels at identified locations. Removal and disposal of existing fiber optic lines and conduits and installation of new fiber optic line and conduit.
4-6-53-TANY_05-31B_PSE_Plans.pdf	2005 - Superstructure replacements of lanes 1, 2 & 6, 7 from [REDACTED]. Replacement of bridge lighting and rail [REDACTED]. Replacement of bridge joints. Replacement of transfer switch and other miscellaneous electrical work. Substructure repairs at identified locations.
4-6-54-TANY 00-47.pdf	As-builts - 2000 - Reconstruction of I-87 / I-287 from Tappan Zee Toll Plaza to the Saw Mill River Parkway. 1356 Sheets
4-6-55-TANY 08-41B.pdf	Record plans - 2008 - Phase II steel repairs for the east deck truss spans in Westchester and Rockland County plans. 342 sheets.
4-6-56 - HT53-05.pdf	Drawings from 1953 for Tarrytown approach of Tappan Zee Bridge (Governor Malcolm Wilson Tappan Zee Bridge). 130 sheets. Added to Reference Documents at Addendum #6 (15 June 2012).
4-6-57 – TANY 97-13BP.pdf	Proposal documentation for Contract TANY 97-13BP, dated March 1997, relating to cleaning and painting of fascia structural steel of the existing bridge. Added to Reference Documents at Addendum #6 (15 June 2012).
7 Sediment Chemistry	
4-7-1 Data Disclaimer & Sample Locations Map.pdf	Data disclaimer and sample sediment chemistry core locations map
4-7-2 VC Coordinates 06&08.xls	2006 and 2008 Sample sediment chemistry core locations
4-7-3 2006 Samples.zip	2006 Sediment chemistry core data
4-7-4 2008 Samples.zip	2008 Sediment chemistry core data
4-7-5 2006 GeotechData.zip	2006 Geotechnical data - laboratory testing and sieve data

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Document Name	Description
4-7-6 Tappan Zee PIDP - Spoil Testing (TP-3B).pdf	<p>Results of testing of spoil excavated from Test Pile 3B during the pile installation demonstration project for the Tappan Zee project in June 2012.</p> <p>File added to existing folder at Addendum # 8 (29 June 2012).</p>
4-7-7 2006 Sediment Tests	<p>New subfolder and 10 files added at Addendum #9 (13 July 2012).</p> <p>4-7-7-1 2006 67168.pdf 4-7-7-2 2006 67169.pdf 4-7-7-2 2006 67178.pdf 4-7-7-3 2006 67196.pdf 4-7-7-4 2006 67197.pdf 4-7-7-5 2006 67202.pdf 4-7-7-6 2006 67211-Ar1.pdf 4-7-7-7 2006 67211B.pdf 4-7-7-8 2006 Geo Sea-Tappan Zee Grainsize report 2006 rev1.pdf 4-7-7-9 2006 Upstate Labs_2006-ASP-A Narrative U0609 4-7-7-10 2006 Upstate Labs-ASP-A Narrative U0609423.pdf</p> <p>These files are the documentation from laboratories used to derive the sediment chemical concentrations for the 2006 sediment investigation detailed in items prefixed 4-7-1, 4-7-2 and 4-7-3 in folder 4-7 Sediment Chemistry</p>
4-7-8 2008 Sediment Tests	<p>New sub-folder and 36 files added at Addendum #9 (13 July 2012).</p> <p>4-7-8-1 2008 Accutest-JA4138 complete with QC and raw data.pdf 4-7-8-2 2008 Accutest-JA4138 final data with qc no raw.pdf 4-7-8-3 2008 Accutest-JA4138-3-metals resubmission.pdf 4-7-8-4 2008 Accutest-JA4138r complete with QC and raw data.pdf 4-7-8-5 2008 Accutest-JA4325 complete with QC and raw data.pdf 4-7-8-6 2008 Accutest-JA4325 final data.pdf 4-7-8-7 2008 Accutest-JA4325R complete with QC and raw data.PDF 4-7-8-8 2008 Accutest-JA4464 complete with QC and raw data.pdf 4-7-8-9 2008 Accutest-JA4464.pdf 4-7-8-10 2008 Accutest-JA4464r complete with QC and raw data.pdf 4-7-8-11 2008 Accutest-JA4550 complete with QC and raw data.pdf 4-7-8-12 2008 Accutest-JA4550R complete with QC and raw data.PDF 4-7-8-13 2008 Accutest-JA4669 complete with QC and raw data.pdf 4-7-8-14 2008 Accutest-JA4669-11 solids rerun .pdf 4-7-8-15 2008 Accutest-JA4669r complete with QC and raw data.pdf 4-7-8-16 2008 Accutest-JA4861 complete with QC and raw data.pdf 4-7-8-17 2008 Accutest-JA4861.pdf 4-7-8-18 2008 Accutest-JA4861R complete with QC and raw data.PDF 4-7-8-19 2008 Accutest-JA4958 complete with QC and raw data.pdf</p>

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Document Name	Description
	<p>4-7-8-20 2008 Accutest-JA4958.pdf 4-7-8-21 2008 Accutest-JA4958-14 solids rerun VC20-10.pdf 4-7-8-22 2008 Accutest-JA4958-19 solids rerun VC62-05.pdf 4-7-8-23 2008 SGS-G383-695-dioxin-archive samples summary.pdf 4-7-8-24 2008 SGS-JA4138X g383-682 SGS Complete.pdf 4-7-8-25 2008 SGS-JA4138X g383-682_summary.pdf 4-7-8-26 2008 SGS-JA4325X g383-683 Complete.pdf 4-7-8-27 2008 SGS-JA4325X g383-683 summary scan.pdf 4-7-8-28 2008 SGS-JA4464t.pdf 4-7-8-29 2008 SGS-JA4464X g383-685 SGS Complete.pdf 4-7-8-30 2008 SGS-JA4464X g383-685_summary.pdf 4-7-8-31 2008 SGS-JA4550X corrected pages.pdf 4-7-8-32 2008 SGS-JA4550X g383-686 SGS Complete.pdf 4-7-8-33 2008 SGS-JA4861X g383-688 SGS Complete.pdf 4-7-8-34 2008 SGS-JA4861X g383-688_summary.pdf 4-7-8-35 2008 SGS-JA4958X g383-689 SGS Complete.pdf 4-7-8-36 2008 SGS-JA4958X g383-689_summary.pdf</p> <p>These files are the documentation from laboratories used to derive the sediment chemical concentrations for the 2008 sediment investigation detailed in items prefixed 4-7-1, 4-7-2 and 4-7-4 in folder 4-7 Sediment Chemistry.</p>
8 Seismic	
4-8-1 Tappan Zee Seismic Site Response Analysis.pdf	Tappan Zee Replacement Bridge further site response analysis report
4-8-2 PSHA Compilation of analyses.pdf	Probabilistic seismic hazard assessment (PSHA) undertaken by Mueser Rutledge Consulting Engineers (MRCE), and peer review of the PSHA. Added to Reference Documents at Addendum #5.
Folder: 4-8-3 Time histories	<p>Time histories used in the MRCE PSHA comprising one file: 4-8-3-1 How to read the files.pdf</p> <p>and two subfolders each containing nine files (18 files total): Folder: 4-8-3-2 1000-YR Folder: 4-8-3-3 2500-YR</p> <p>Folders and files added to Reference Documents at Addendum #5.</p>

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Document Name	Description
9 DEIS CADD & Inroads Data	
4-9-1 DEIS Alignments.alg	Bentley Inroads format file. Added to Reference Documents at Addendum #1.
4-9-2 DEIS_HSM.dgn	Bentley Microstation format file. Added to Reference Documents at Addendum #1.
10 Ship impact study	
4-10-1 Greiner report – ship impact geotechnics (1992).pdf	Design of ship collisions system for Tappan Zee Bridge, Nyack to Tarrytown, NY: Draft Geotechnical Report. Prepared by Greiner Inc for NYSTA, November 1992 Added to Reference Documents at Addendum #1.
11 Bathymetry	
Folder: 4-11-1 Bathymetry (2002)	Fathometric survey in October 2002, comprising two files: <ul style="list-style-type: none"> 4-11-1-1 2002 Fathometer Survey Drawings.pdf 4-11-1-2 2002 TZB Fathometer Survey Report.pdf Files added to Reference Documents at Addendum #3.
Folder (zipped): 4-11-2 Bathymetry (2006)	Bathymetric survey in July 2006, comprising: <ul style="list-style-type: none"> 4-11-2-1 CADD files (<i>folder containing 3 sub-folders</i>) 4-11-2-2 Transmittal.pdf 4-11-2-3 NAVD 88 (vertical datum).txt Files and sub-folders added to Reference Documents at Addendum #3.
Folder: 4-11-3 Bathymetry (2010)	Fathometric survey in September/October 2010, comprising two files: <ul style="list-style-type: none"> 4-11-3-1 TZB Fathometer Survey 2010 (Report).pdf 4-11-3-2 TZB Fathometer Survey 2010 (Drawings).pdf Folder and files added to Reference Documents at Addendum #4.

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Document Name	Description
Folder: 4-11-4 Bathymetry (1998)	Fathometric survey in 1998, comprising one file: 4-11-4-1 TZB Fathometer Survey (1998).pdf Folder and file added to Reference Documents at Addendum #4.
Folder: 4-11-5 Bathymetry (1993)	Fathometric survey in 1993, comprising one file: 4-11-5-1 TZB Fathometer Survey (1993).pdf Folder and file added to Reference Documents at Addendum #4.
Folder: 4-11-6 Bathymetry (1989)	Fathometric survey in 1989, comprising one file: 4-11-6-1 TZB Fathometer Survey (1989).pdf Folder and file added to Reference Documents at Addendum #5.
12 PIDP	
4-12-1 PIDP Hydroacoustic Monitoring Program.pdf	Scope of hydroacoustic monitoring program used in the Agencies' pile installation demonstration program (PIDP). File added to Reference Documents at Addendum #3.
4-12-2 TZ PIDP hydroacoustic noise attenuation submittals.pdf	Submittals for hydroacoustic noise attenuation systems used in the Agencies' 2012 pile installation demonstration program (PIDP). File added to Reference Documents at Addendum #9.
13 Wind data	
Folder: 13 Wind Data	Wind speed, direction and air temperature data from two monitors on the existing Tappan Zee bridge. Folder and six Excel ® files added to Reference Documents at Addendum #4. Filenames: 4-13-1 TZHRC Wind Data October 2011.xls 4-13-2 TZHRC Wind Data November 2011.xls 4-13-3 TZHRC Wind Data December 2011.xls 4-13-4 TZHRC Wind Data January 2012.xls 4-13-5 TZHRC Wind Data February 2012.xls 4-13-6 TZHRC Wind Data March 2012.xls

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Document Name	Description
14 Drain inspection reports	
Folder: 14 Drain Inspection Reports	<p>NYSTA highway culvert inspection reports. Varies dated 2009 and 2012.</p> <p>Folder and nine files added to Reference Documents at Addendum #5. Filenames:</p> <ul style="list-style-type: none"> 4-14-1 CIN016-17003xx.pdf 4-14-2 CIN016-19006xx.pdf 4-14-3 CIN016-20007xx.pdf 4-14-4 CIN016-24013xx.pdf 4-14-5 CIN016-29016xx.pdf 4-14-6 CIN016-36020xx.pdf 4-14-7 CIN016-41024xx.pdf 4-14-8 CIN016-44028xx.pdf 4-14-9 CIN016-49030xx.pdf
15 DEIS Cooperating Agencies	
Folder: 15 DEIS Cooperating Agencies	<p>Folder and one file added to Reference Documents at Addendum #5. Filename:</p> <ul style="list-style-type: none"> 4-15-1 Suspended solids (Nov 2009).pdf
16 Third Party Agreements	
Folder: 16 Third Party Agreements	<p>Folder and one file added to Reference Documents at Addendum #5. Filename:</p> <p>4-16-1 G4S-NYSTA fiber optic.pdf</p> <p>File removed from Reference Documents at Addendum #8 (29 June 2012). Folder is empty.</p>

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Document Name	Description
17 Utilities	
<p>Folder: 17-1 O&R Utilities</p>	<p>Subfolder and seven files added to Reference Documents at Addendum #7. Filenames:</p> <ul style="list-style-type: none"> — 17-1-1 SKMBT_60012032213000 Letter to NYSTA.pdf — 17-1-2 3-Section MH N9178S05.pdf — 17-1-3 Frame & Cover N9178S04.pdf — 17-1-4 N9178S01.pdf — 17-1-5 N9178S06.pdf — 17-1-6 Standard MH N9178S02.pdf — 17-1-7 SKMBT_60012032213040 Champion Fiberglass.pdf <p>Subfolder and files removed from Reference Documents at Addendum #8 (29 June 2012).</p>
<p>Folder: 17-2 Verizon</p>	<p>Subfolder and eight files added to Reference Documents at Addendum #7. Filenames:</p> <ul style="list-style-type: none"> — 17-2-1 Conduit and Manhole Items.pdf — 17-2-2 Dirt Trench Section.pdf — 17-2-3 MH 12x6 Plan.pdf — 17-2-4 MH 12x6 Section.pdf — 17-2-5 NYS Trench Section.pdf — 17-2-6 Polebend.pdf — 17-2-7 Sidewalk Section.pdf — 17-2-8 Typical Trench Section in Pavement.pdf <p>Subfolder and files removed from Reference Documents at Addendum #8 (29 June 2012)</p>
<p>Folder: 17-3 Orangetown sewer</p>	<p>Subfolder and eight files added to Reference Documents at Addendum #7. Filenames:</p> <ul style="list-style-type: none"> 17-3-1 River Rd Upper GV PS Record Drawing.pdf 17-3-2 Cover Map 6A.pdf 17-3-3 Dwg #7 Piermont Ave.pdf 17-3-4 Dwg #8 Piermont Ave.pdf 17-3-5 Dwg #60A South Broadway.pdf 17-3-6 Future Piermont Ave Sewer Improvments_A.pdf File deleted from Ref Docs at Addendum #8. 17-3-7 Future Piermont Ave Sewer Improvments_B.pdf File deleted from Ref Docs at Addendum #8. 17-3-8 Village of South Nyack.pdf

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Document Name	Description
18 Asbestos	
Folder: 18 Asbestos	Folder and single file added to Reference Documents at Addendum #8. Filename: 4-18-1 12-0577 Statewide BV-14 (asbestos) 5June2012.pdf File presents NYSDOT and NYSTA statewide blanket variance documentation dated June 5, 2012.
19 Sediment	
Folder: 19 Sediment	Folder and three files added to Reference Documents at Addendum #8. Filenames: 4-19-1 Overview of Sediment Resuspension Findings (9June2012).pdf 4-19-2 Prop Wash from Construction Vessels (18June2012).pdf 4-19-3 SedFlume Testing (9June2012).pdf
20 Riverwalk	
Folder: 20 Riverwalk	Folder and single file added to Reference Documents at Addendum #8. Filename: 4-20-1 Westchester Riverwalk - guidelines (2005).pdf
21 Agencies' Management Plans	
Folder: 21 Agencies' Management Plans	Folder and single file added to Reference Documents at Addendum #8. Filename: 4-21-1 NYSDOT_TAB_10_Risk_Management.pdf
22 Service Life	
Folder: 22 Service Life	Folder and single file added to Reference Documents at Addendum #8. Filename: 4-22-1 Design for Service Life - General Concepts (R19; June 2012).pdf

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Document Name	Description
23 Proprietary Specifications	
Folder: 23 Proprietary Specifications	Folder and one file added to Reference Documents at Addendum #9. Filename: 4-23-1 Sole Source - NYSTA letter to FHWA 3July2012.pdf
24 PLA References	
Folder : 24 PLA References	Folder and one file added to Reference Documents at Addendum #10. Filename: 4-24-1 Westchester ADR CBA signed 1-26-2007.pdf The alternative dispute resolution program entered into between the Construction Industry Council of Westchester and Hudson Valley, Inc. and the Building & Construction Trades Council of Westchester and Putnam Counties, New York and other building and construction trades councils and local unions, signed January 26, 2007 (as referenced in Article 19 of the Project Labor Agreement).