

AECOM Technical Services, Inc. (AECOM) Quality Assurance/Quality Control (QA/QC) Plan Policies and Procedures for the Wisconsin Department of Transportation Division of Transportation System Development Bureau of Structures Madison, Wisconsin 53707-7916 August 2010

Effective September 1, 2010, the Wisconsin Department of Transportation (WisDOT), Bureau of Structures (BOS) mandates all bridge consultants demonstrate that structure design and structure plans are designed adequately and accurately, to appropriate requirements, standards, and policies, and that structure plans are complete, constructible, and are in accordance with approved details. This demonstration applies to all aspects of transportation and structure work and specifically applies to hydrology and hydraulic analyses, structure sizing, preliminary structure plans, final structure design and plans, load ratings, special provisions, and associated studies and reports submitted to BOS. All consultants working for BOS must certify they have an adequate Quality Assurance/Quality Control (QA/QC) policy and appropriate procedures in place to ensure a quality product. BOS requires all consultant design firms that provide structure design services for WisDOT have their own customized QA/QC plan and procedures. The QA/QC plan must demonstrate the following:

- Procedures to verify design activities and plan details are correct and portrayed properly prior to the final submittal to BOS.
- Verification that the appropriate design calculations and analyses have been performed, that the calculations are accurate, and that the capacity of the load-carrying members is adequate with regard to the expected service loads of the structure.
- Verification that the structure plan is complete, accurate, and constructible.
- Verification that independent checks, reviews, and ratings were performed.

AECOM has a corporate Quality Management System (QMS) which addresses the policies and procedures for quality assurance and quality control that are required by the BOS memorandum dated June 1, 2010. On February 1, 2010, all Wisconsin offices of AECOM, including the Bridge Group, implemented the policies and procedures of the QMS. Both internal and external (third-party) audits of our quality policies and procedures are required as an integral part of the



QMS. All Wisconsin offices received satisfactory reports for both internal and external audits performed during the summer of 2010. Additional office audits are scheduled on an annual basis.

The AECOM QMS was developed to be in compliance with the ISO 9001:2008 standard for Quality Management Systems. The manual, and related procedures, is web based, which assures that the current version, and only the current version, of each document is available for use by staff. A snapshot view of our intranet based QMS homepage is attached for your reference and review. The QMS Project Delivery System (PDS) is broken down into four distinct phases of project development including

- Proposal Phase
- Initiation & Planning Phase
- Execution Phase
- Closure Phase

Each phase is further broken down into well defined tasks to cover all aspects of the project development process.

AECOM considers its ISO-certified QMS and Implementing Procedures to be proprietary information and, as such, direct release outside the company is strongly discouraged for competitive and document control reasons as general policy. In lieu of direct release, AECOM would like to make arrangements for BOS representatives to review the documents on-line so that you may verify that the AECOM QMS is responsive to your requirements.

The QMS PDS describes quality planning activities as well as quality control and quality assurance requirements. The applicable quality procedures are used by project managers, task managers, design engineers and CADD staff (called Originators), checkers, and quality assurance staff.

The AECOM QMS is organized using a hierarchical document structure, with the first tier being the Quality Manual, which provides an overview of the corporate commitment, quality philosophy, high level quality objectives, organizational structure, and reporting requirements. Our Quality Manual meets the BOS requirement that AECOM has QA/QC policies and procedures in place to ensure quality.

The second tier includes the Implementing Procedures, of which the Engineering and Design Control Implementing Procedures address the specific requirements of the BOS. Procedures are the written processes and procedures that each staff member follows to comply with the QMS. These procedures describe the way that AECOM staff complies with the multiple requirements of the ISO standard.



The third tier is comprised of Work Instructions and technical guidance required to share best engineering practices, to comply with local or regional standards, or to address particular requirements of individual clients that are not consistent with or included in the Implementing Procedures. Based on a review of the referenced memo, AECOM believes that our current implementing procedures address all BOS requirements. Details are provided below.

The procedures required by the BOS as shown on Page 1 of this plan are covered in Section 4 – Technical Procedures of AECOM's QMS as follows:

- 4-1 QMS Flexibility
- 4-2 Initiating Technical Work
- 4-2/1 Technical Task Protocol
- 4-3 Preparation and Review of Calculations
- 4-4 Preparation and Review of Drawings
- 4-5 Preparation and Review of Specifications
- 4-6 Preparation and Review of Studies and Reports
- 4-7 Review and Release of Deliverables
- 4-8 Software Validation

Procedure 4-1, QMS Flexibility, provides specific information needed to meet the AECOM quality goals in the design development process. This procedure defines the roles and requirements of AECOM and the specific task responsibilities for the project staff to meet the QMS policies. Any deviation from the technical requirements of the QMS must be submitted to the AECOM Director of Quality for written approval.

Procedures 4-2 and 4-2/1, Initiating Technical Work and Technical Task Protocol (TTP) respectively, describe requirements for planning all technical work activities, including the assignment of qualified individuals to the tasks, identifying the required design input documents (including design criteria, references, standards, codes, and design data), describing acceptable methods of solution, and specifying appropriate software. The Technical Director, Department Manager or Task Managers are responsible for the development and implementation of the TTPs. Standard TTPs may be used and are especially applicable for clients such as the BOS where design methodologies are consistent from project to project, such as for the design of pier bents, superstructure elements, and other repetitive design procedures. Standard formats (provided as part of the procedure) are used for all TTPs. These procedures are the foundation of the QMS process and provide the initial step to a quality product.

Procedures 4-3, 4-4, and 4-5, Preparation and Review of Calculations, Preparation and Review of Drawings, and Preparation and Review of Specifications respectively, address the majority of the BOS requirements. As the names imply, the procedures address both the preparation of the design products and their review or checking. Specifically, the procedures address the first bullet point of the BOS requirements by requiring independent reviews of calculations, prior to the calculations being used to develop drawings, and the independent reviews of the plans and specifications before submission to the client. The procedures describe Discipline Reviews



addressing and verifying the completeness, constructability, and accuracy of the structure design and plans with regard to the intended function.

The above procedures address the second bullet point of the BOS requirements by including a specific check-off on the Drawing Review Checklist for the Reviewer to verify that the drawings are consistent with the design calculations. By examining the Calculation Review Checklist, those responsible for the preparation and review of plans will know that the calculations have been reviewed for completeness, accuracy, and appropriateness, and if there are any exceptions noted.

The third bullet point is addressed by Procedure 4-4, Preparation and Review of Drawings, and documented on the Drawing Review Checklist. This checklist verifies that plans were prepared to meet the requirements of BOS, including incorporation of all details and standard procedures.

Procedure 4-6, Preparation and Review of Studies and Reports, establishes the requirements for the preparation, review, approval, and control of technical studies and reports. This procedure is used to provide the appropriate review for the Structure Survey Report, Hydrology Report, Hydraulic Report and Structure Sizing, and other related documents.

All procedures include a checklist form for documenting the identities of the Originator, Reviewer, Technical Discipline Leader, Project Manager, and other discipline reviewers participating in reviews as a method of certifying their role in the design process. Ultimately the Technical Discipline Lead must verify that the proper review has been conducted by the appropriate personnel and in accordance with the QMS.

In addition, more in-depth Technical Peer Reviews would be implemented on higher technical risk assignments. The need for additional in-depth reviews would be identified in the initial scope development and contract negotiation and with approval from the client and BOS.

Procedure 4-7, Review and Release of Deliverables, provides for independent oversight of the quality review process by a Project Quality Representative (PQR) who independently verifies that the required quality procedures, including reviews and resolution of comments, have occurred. Both the PQR or Technical Director and the Project Manager sign and date the Deliverable Release Record confirming that the quality procedures have been implemented prior to submission of deliverables to the client. These procedures address the fourth bullet listed in the BOS Memorandum, and in addition with the requirements of the following paragraph address the successful implementation of the AECOM quality control and quality assurance.

The checklists associated with the procedures described above are attached for reference, including:

- 4-3_2 Calculation Review Checklist
- 4-4_1 Drawing Review Checklist
- 4-5_1 Specification Review Checklist
- 4-6_1 Study Report Checklist

QA/QC Plan Rev 01-01



4-7_1 Deliverable Release Record

To meet your specific requirements, a WisDOT QA/QC Verification Summary Sheet will be prepared for submittal with the final structure design, plans, and specifications, demonstrating the appropriate AECOM QMS and WisDOT BOS QA/QC Plan procedures were followed. This summary sheet includes the signoff or initializing by each individual that performed the tasks documented in the QMS and WisDOT BOS QA/QC Plan process. The WisDOT QA/QC Verification Summary Sheet is attached for reference.

This Quality Assurance/Quality Control (QA/QC) Plan is respectfully submitted by

AECOM Technical Services, Inc. (AECOM)

James R. Lucht PE (electronic signature 8/27/10)

James R. Lucht, PE Technical Director Midwest Transportation – North District



AECOM Technical Services, Inc. (AECOM) Exhibits to the Quality Assurance/Quality Control (QA/QC) Plan Policies and Procedures for the Wisconsin Department of Transportation Division of Transportation System Development Bureau of Structures Madison, Wisconsin 53707-7916 August 2010



SNAPSHOT VIEW OF AECOM TECHNICAL SERVICES, INC. (AECOM) INTERNET BASED QUALITY MANAGEMENT SYSTEM (QMS) HOMEPAGE

Welcome to the AECOM USIG QMS site

AECOM USIG maintains and implements an efficient and effective Quality Management System (QMS) bolstered by the unwavering commitment of management. The policies and procedures provided within the QMS provide a consistent platform for operations and a framework to manage change, adversity and continual improvement.

This site is the home and controlled location for the USIG QMS Project Delivery System (PDS) and other system tools for your day to day activities.

AECOM USIG Quality Policy

AECOM USIG is committed to:

- performing quality work
- providing high-value services to our clients
- developing our staff, and
- always getting better

- QMS Tiered Documentation Structure
- QMS Tier I Quality Manual

Key Quality Documents and Links

- QMS Tier II Implementing Procedures and Attachments
- Legacy AECOM USIG ISO 9001 Certificate

QMS Project Delivery System (PDS)

GETTING STARTED

- 1. Select your current stage of work from the PDS Flow Chart below
- 2. Clicking on the phase headings provides general information about work in that phase
- 3. If you know which activity you want information on (e.g. Prepare Project Approach under Execution Phase), click directly on that link to go to the appropriate information and procedures

<u>NOTE</u>

This Project Delivery System (PDS) provides the basic requirements of the AECOM USIG Quality Management System and is structured to ensure we consistently manage and achieve the desired level of quality for all AECOM USIG services and deliverables. Project Managers (PMs) are expected to apply their knowledge and experience to implement and build upon this system in order for their specific project to best meet the need of the client and our quality goals. See AECOM USIG's Quality Policy and Objectives and Quality Manual for additional information.



QMS

- USIG Audit Program Schedule
- USIG QMS Training Modules
- QMS objectives, results, and metrics
- Staff Comments and Suggestions
- Central Technical Library (Water)
- USIG QMS Management Review Presentation (01/26/10)
- Quality Assurance Client Surveys
- Quality Management on NYC DEP BEDC Projects
- QMS Overview for Proposal/Marketing Purposes

AECOM USIG Quality Contacts

Corporate	Contact	Business Phone	Email
Director of Quality, North America	Enrico T. Bruschi, PE, CQM Vice President	412.316.3507	enrico.bruschi@aecom.com
Region	Contact	Business Phone	Email
Northeast	Tom Spearin, Regional Quality Manager	781.224.6237	thomas.spearin@aecom.com
	Dennis Miller, Regional Quality Support	212.973.3063	dennis.miller@aecom.com
Mid-Atlantic	Steve Biuso, Regional Quality Manager	732.564.3903	steve.biuso@aecom.com
	Jim Klug, Regional Quality Support	312.373.6608	jim.klug@aecom.com
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	Dean Schmidtke, Regional Quality Support	312.373.6907	dean.schmidtke@aecom.com
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	Buddy Hudson, Regional Quality Support	954.745.7258	buddy.hudson@aecom.com
SW/Mountain	Shelby Eckols, Regional Quality Manager	512.457.7715	shelby.eckols@aecom.com
	Buddy Hudson, Regional Quality Support	954.745.7258	buddy.hudson@aecom.com
West	Camelia Davis, Regional Quality Manager	213.330.7212	camelia.davis@aecom.com
	Glen Hille, Regional Quality Support	805.644.9704	glen.hille@aecom.com



AECOM TECHNICAL SERVICES, INC. (AECOM)

QUALITY MANAGEMENT SYSTEM (QMS)

REVIEW CHECKLISTS

- CALCULATION REVIEW CHECKLIST
- DRAWING REVIEW CHECKLIST
- SPECIFICATION REVIEW CHECKLIST
- STUDY/REPORT REVIEW CHECKLIST

		CALCULATION	REVIEW CHEC	KLIST			
PROJECT		JOB NO.		CALCULATIO	N NO		
				REVISION NO).		
CLIENT		DEPARTMENT/DIS	CIPLINE	TTP NO. (if us	sed)		
SUBJECT/ TITLE		I					
TECHNICAL DISCIPLINE LEAD				ORIGINATOR			
REVIEWER			INDEPENDENT CAL	.C. ENG.(if used)			
TECH PEER REVIEWER (if used)							
		Department	/Discipline Revie	W			
 Have assumptions requiring follow Is the mathematics correct? Are results and conclusions consists. Have the originator and the review of Have all previous internal review cor Have all previous client review cor Explain "No" responses: 	r-up confirm stent and re ver signed a comments b nments bee	ation been addressed an asonable considering the nd dated the calculation een addressed and closed in addressed and closed	nd closed? e inputs and approach? ed out? out?				
Dope				Signature	/ Date		
□ Independent Calculations	(in lieu of	Discipline Review)		Signator	2010		
A separate independent set of validating the original calculation	calculatio s.	ns has been prepare	d				
Indepe	ndent Ca	alculation Reviewe	er				
				Signature	/ Date		
		Technical Pee	r Review (if requi	red)			
All comments, issues, and cor Peer Review have been address with the requirements of Procedu	ncerns of sed and clo ure 4-3.	this special Technic osed out in accordanc	al e				
	Techr	nical Peer Reviewe	er				
				Signature	/ Date	 	
The Originator, the Disciplin Calculation Reviewer), and the required) are the appropriate de of this calculation.	e Reviev e Technic partmenta	wer (or Independe cal Peer Reviewer I staff for developme	nt (if nt			 	
	Techni	cal Discipline Lea	d		/ D = 1 =		
				Signature	/ Date		

AECOM

			DRAWING RI	EVIEW CHECKL	IST			
PROJE	СТ				JOB NO.			
REVIE		AL SUBMISSI		E-FINAL SUBMISSIC	 N □ OT	HER: %	SUBMISS	SION
CLIENT	r	DI	EPARTMENT/DIS	CIPLINE	DRAWING NU	JMBERS		
TE	ECH DISCIPLINE LEAD			DESIGN PRO	OFESSIONAL / ORIGINATOR			
D	ISCIPLINE REVIEWER			TECHNICAL PER (ER REVIEWER IF REQUIRED)			
			Discip	oline Review				
2. Do th 3. Is the 4. Have 5. Are tt 6. Are tt 7. Have 9. Are d 10. Have 11. Havi 12. Havi Explai	e drawings meet the percent of a consistent presentation ' drawings been initialed/signa- ne materials properly coordin- ne items constructible as sho the appropriate CAD Standa duplications and redundancy rawing titles and numbers co e sheet cross references bee e all previous internal review e all previous client review co n "No" responses:	(%) completion (%) completion within the discipled? ated with the spe wn? rds been follower of information, nsistent and agr n verified? comments been a mments been a	the canonic the calcula for this submission l ine? ecifications at this su ed? data and dimension ee with cover sheet a addressed and close ddressed and close	s been eliminated? index of drawings? sed out? d out?				
		Discip		÷r	Signatur	e / Date		
	Interdiscipline Re	wiew (Revie	wers shall che	ock that a complete	te set of drawi	ings was revie	wed)	
			Initial			Comments on	Comments	Resolved
_			intia	Duit		Drawing or Attached	_	-
	Mgr. Civil Dept.							
	Mgr. Structural Dept	_						ן ר
	Mgr. Mechanical Dept	_					с Г	- -
	Mar. Environmental Dept	_						- -
	Mgr. Centech Dept	_						- -
	Mgr. Architecture Dept	_					-	
	Mgr. Architecture Dept							
	Mar	_					L	
	Mgr.	_						ב
	Mgr. Mgr.	-						
	Mgr. Mgr. Mgr.							
	Mgr. Mgr. Mgr. Mgr.	-						
	Mgr. Mgr. Mgr. Mgr.	- - - - -))))
	Mgr. Mgr. Mgr. Mgr. Technical Peer F	 Review (if re	quired in PWP	or as determined	L C C C Subsequently	y to be necess	[[[[[] []]]]]]]]]]]]]	
All com Review the requ	Mgr. Mgr. Mgr. Technical Peer F ments, issues, and conce have been addressed a uirements of Implementing	Review (if re erns of this sp and closed ou g Procedure 4	equired in PWP pecial Technical F t in accordance v -4.	or as determined	L L L L Subsequently	y to be necess	L C C Sary)	
All com Review the requ	Mgr. Mgr. Mgr. Mgr. Technical Peer F ments, issues, and conc have been addressed a uirements of Implementing	Review (if re erns of this sp and closed ou g Procedure 4	equired in PWP becial Technical F t in accordance -4. cal Peer Review	or as determined	L L L L L L L L L L L L L L L L L L L	y to be necess		
All com Review the requ	Mgr. Mgr. Mgr. Technical Peer F ments, issues, and conce have been addressed a uirements of Implementing	Review (if re erns of this sp and closed ou g Procedure 4	equired in PWP pecial Technical F t in accordance v -4. cal Peer Review	or as determined	L C C Signatu	y to be necess	c c c sary)	
All com Review the requ	Mgr. Mgr. Mgr. Mgr. Technical Peer F ments, issues, and conce have been addressed a uirements of Implementing er review has been condu- rdance with this procedu- ddressed and closed out.	Review (if re erns of this sp and closed ou g Procedure 4 Technie ucted by the a ire and all rev	equired in PWP pecial Technical F t in accordance of -4. cal Peer Review ppropriate person riew comments h	or as determined	L C C Signatu	y to be necess	c c c c c	

	SPEC	IFICATION	I REVIEW CHECH	KLIST				
PROJECT				JOB NO.				
	JBMISSION	🗌 PRE-	FINAL SUBMISSION	🗌 ОТН	ER:	_% SUBI	MISSIO	N
CLIENT	DEP	ARTMENT/DIS	SCIPLINE	SPECIFICATI	ON SECT	IONS		
TECHNICAL DISCIPLINE LEAD	I			ORIGINATOR				
DISCIPLINE REVIEWER			SPECIFICATION CC	ORDINATOR				
		Discip	line Review					
General: Has the correct specification format be Is the specification section coordinated Have duplications or variances betwee Is nomenclature and item numbering u Are requirements for shop drawings sp Have cited products and equipment be Have all previous internal review comment Have all of the Client's review comment 	en used? I with applicabl n drawings an sed in specific pecified, both a en checked fo nents been add nts to previous	e General and S d specifications b ations exactly as s to content and r updates and av dressed and clos drafts been close	pecial Provisions? been eliminated? used on drawings and ot timely submission? ailability? ed out? ed out?	her contract docur	ments?		NO	
Answer the following additional questions for Non-standard Specifications*:								
 9. Are material/equipment identification requirements properly identified? 10. Are appropriate codes, standards, processes, etc. referenced and dated? 11. Are measurement units and basis of payment properly specified? 12. Are shipping, cleaning, storage and handling requirements properly specified? 13. Are provisions made for the qualification and approval of special construction processes? 14. Are the acceptance criteria tests (tolerances, etc.) specified and are they adequate, realistic, and in line with industry practice? 15. Is test and inspection documentation properly specified? 16. Have Client's sole source requirements been followed? 								
*Non-Standard Specification maintained as a company	ons are defin or client star	ed as those sp idard.	pecifications which hav	re not been crea	ited and			
Explain any "No" responses:								
	Discip	line Reviewe	er		(5.)			
				Signature	/ Date			
Te	echnical Di	scipline Lea	ıd	Signature	/ Date			
	Spe	cification C	oordinator Revie	W (To be comple	eted on Lea	nd Discipline	Checklis	st only)
						YES	NO	N/A
Is the specification format, type, nomencla Have required Discipline Reviews been co Have all specification sections been review Have methods and measurements of payr	ature, item num ompleted and o wed for interdis ment been che	ibering, and leve locumented for a scipline conflicts? cked for consiste	I of detail consistent for a Il specification sections? ency and conflicts?	II specification sec	tions?			
Explain any "No" responses:								
Spe	ecifications	S Coordinato	or	Signature	/ Date			

STUDY/REPORT REVIEW CHECKLIST						
PROJECT			JOB NO.			
	SION 🗌 PRE-FINAL SU	BMISSION	🗌 ОТН	ER:% S	UBMISSI	ON
CLIENT	DEPARTMENT/DISCIPL	INE	STUDY/REPC	ORT TITLE/CH4	APTER	
TECHNICAL DISCIPLINE LEAD			ORIGINATOR			
DISCIPLINE REVIEWER		PROJE	CT MANAGER			
	Discipline Quality	Control Rev	iew	•		
Project Manager - Identify Depart	ment / Discipline to Revie	ew				
Civil S Architectural G Environmental P Traffic D	tructural eotechnical lanning rainage	Electrical Do Mechanical <u>Other Dept.</u>	ept. / <u>Disc</u> .			
1. Does the discipline portion of the study / report meet or support the stated objectives of the project?						
Techr	nical Discipline Lead		Signature	/ Date		
	Project Manage	er Review (To	be completed on	Lead Discipline C	hecklist only	/)
				YES	NO	N/A
 Is the study or report format consister Are all conclusions and recommendat Has the report been completed in acc Is the Index or Table of Contents corr Is tense consistent and has the text b Has the report been properly titled an Have all contractually specified altern Have all previous internal review comr 	It with the Client's requirement tions fully supported and expla cordance with the scope of wo uplete and accurate? een spell/grammar checked? d dated? atives been addressed? ments been addressed and clo	nts? ained in the text? rk? losed out? sed out?	?			
Explain ar	ny "No" responses:					
	Project Manager					
			Signature	/ Date		
Technical Peer R	eview (if required in PWP or	as determined s	subsequently to	be necessary)		
Technical Peer Reviewer (sign on I	If required _ead Discipline Checklist only)		Signature	e / Date		



AECOM TECHNICAL SERVICES, INC. (AECOM)

QUALITY MANAGEMENT SYSTEM (QMS)

DELIVERABLE RELEASE RECORD

AECOM

DELIVERABLE RELEASE RECORD

1. PROJECT INFORMATION							
Project:				Job N	lo.:		
Client:			-	Date:			
Project	Project		Project Qu	ality			
Principal:	Manager:		Represent	ative:			
2. DELIVERABLE INFORMATION							
Deliverable Description:							
Submit to:			Submitta	I Date:			
3. REVIEW LEVEL							
☐ Final Submiss	ion 📙 Pre	e-Final Submission 📋 Ot	her:	%	Submissio	n	
4. CONFIRMATION OF PROJECT QUAI	ITY CONTR	OL ACTIVITY (DISCIPLINE	REVIEWS)				
<u>Drawings</u>							
Were the Drawings completed in acco	ordance wit	h the current version of Pr	ocedure 4-4	?	Yes 🗌	No 🗌	NA 🗌
Are approvals by all applicable origina	ating Techn	ical Discipline Leads docu	mented on t	he		No 🗔	
Drawing Review Checklists?							
Specifications						—	
Were the Specifications completed in	accordance	e with the current version of	of Procedure	9 4-5?	Yes 🔄	No 🗌	NA 📋
Have the appropriate Discipline Revie documented on the Specification Revi	ws been co iew Checkl	ompleted for each disciplin	e and		Yes 🗌	No 🗌	NA 🗌
Has the Specifications Coordinator re	viewed the	submittal and documented	d approval o	n the	V 🗖		
Specifications Review Checklist?					res		
Study/Report							
Was the study or report completed in accordance with the current version of Procedure 4-6?			4-6?	Yes 🗌	No 🗌	NA 🗌	
Have the appropriate Discipline Reviews been completed for each discipline and				Yes	No 🗌	NA 🗌	
documented on the Study/Report Rev Has the Project Manager reviewed the		lIST? t and is his or her annrova	l documente	n ba		_	
the Lead Discipline Study/Report Rev	iew Checkl	ist?	ruocumente		Yes	No 🗌	NA 🗌
<u>Calculations</u>							
Calculations are completed consisten	t with 4-3?				Yes 🗌	No 🗌	NA 🗌
Are approvals by the originating Depa	rtment Mar	nager(s) documented on th	ne Calculatio	n		No 🗔	
Review Checklist?							
If "no" to any of the above, describe specific deficiency and necessary action to be taken:							
The above listed deliverables and compon	ents issued	under Section 4 have been ch	necked, review	ved			
and amended as required and are authoriz	ed for subm	ittal.			Yes 🔄	No 🗌	NA 📋
			ĺ				
Project Quality Representative, TAT 0	Chair, or Te	chnical Director	[Date			
5. RELEASE AUTHORIZATION							
The deliverable package has been review	ed for overall	completeness, compatibility,	and conforma	ance with	scope and c	ther contrac	t
requirements, all applicable reviews have	been comple	eted, and the deliverable pack	age is ready f	or subm	ission to the c	client.	
Project Manager				Date			
i iojectivianayei				Jait			
6. ROUTING							
Project Quality Representative		Project Manager	[🗌 Proje	ct File (origi	inal)	



AECOM TECHNICAL SERVICES, INC. (AECOM) QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) PLAN WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF TRANSPORTATION SYSTEM DEVELOPMENT BUREAU OF STRUCTURES

WISDOT QA/QC VERIFICATION SUMMARY SHEET



WisDOT QA/QC VERIFICATION SUMMARY SHEET				
WisDOT Project Information		AECOM Proje	ct Information	
Project ID		Project Number		
Project Title		Client Name		
Project Title		Project Name		
Project Title		Project Manager		
County		Submittal Date		
Structure Number				

CALCULATION REVIEW (All calculations, analyses, load rating, etc.)			
Task		Staff Verification	
Hydrology			
II. Inc. Pro-			
Hydraulics			
Design			
Design Check			
Quantities			
Quantities			
Load Rating			
Load Rating			
Tachaical Paviaw			
rechnical Review			

DRAWING REVIEW (Structure plans, details, standards, constructability, etc.)					
Prelim. Plan Prep.					
Prelim. Plan Check					
Final Plan Prep.					
Final Plan Check					
Technical Review					

SPECIFICATION REVIEW (Special Provisions, etc.)					
Preparation					
Review					
Technical Review					

STUDY and REPORT REVIEW (Structure Sizing, Hydrology, Hydraulic, SSR, etc.)				
Preparation				
Fleparation				
Review				
Technical Review				

DELIVERABLE RELEASE (Meets AECOM QMS & WisDOT QA/QC Plan)				
Project Quality Representative				
Project Manager				
Technical Director				