
CONSTRUCTION TRAINING AND QUALIFICATION MANUAL TABLE OF CONTENTS

CHAPTER 1 CONSTRUCTION TRAINING AND QUALIFICATION PROGRAM ADMINISTRATION

1.1	PURPOSE.....	1-1
1.2	AUTHORITY	1-1
1.3	SCOPE.....	1-1
1.4	DISTRIBUTION.....	1-1
1.5	BACKGROUND	1-2
1.6	DEFINITIONS	1-2
1.7	CONSTRUCTION TRAINING AND QUALIFICATION MANUAL REVIEW	1-5
1.8	REVISIONS AND ADDITIONS.....	1-6
1.9	GUIDELINES	1-7
1.10	FORMS	1-36

CHAPTER 2 AGGREGATE TECHNICIAN TRAINING AND QUALIFICATION PROGRAM

2.1	PURPOSE.....	2-1
2.2	AUTHORITY	2-1
2.3	REFERENCE	2-1
2.4	BACKGROUND	2-2
2.5	QUALIFICATIONS	2-2
2.6	QUALIFICATION REQUIREMENTS BY JOB FUNCTION AND IMPLEMENTATION SCHEDULE	2-13
2.7	REQUALIFICATION.....	2-13

ATTACHMENT 2-1 – AGGREGATE FIELD TESTING TECHNICIAN COURSE

ATTACHMENT 2-2 – AGGREGATE LABORATORY TESTING TECHNICIAN
TRAINING COURSE

ATTACHMENT 2-3 – LBR TECHNICIAN QUALIFICATION TRAINING COURSE

ATTACHMENT 2-4 – AGGREGATE CHEMICAL ANALYST TRAINING EXAM

ATTACHMENT 2-5 – CTQP QUALIFICATIONS BY JOB FUNCTION

CHAPTER 3 ASPHALT INSPECTION TRAINING AND QUALIFICATION PROGRAM

3.1	PURPOSE.....	3-1
3.2	AUTHORITY	3-1
3.3	REFERENCE	3-1
3.4	BACKGROUND	3-1
3.5	QUALIFICATIONS	3-2
3.6	REQUALIFICATION.....	3-10
3.7	RESPONSIBILITIES	3-11

ATTACHMENT 3-1– ASPHALT PAVING LEVEL I TRAINING COURSE
ATTACHMENT 3-2– ASPHALT PLANT LEVEL I TRAINING COURSE
ATTACHMENT 3-3– ASPHALT PLANT LEVEL I COURSE PROFICIENCY EXAMINATION
ATTACHMENT 3-4– ASPHALT MIX DESIGNER COURSE
ATTACHMENT 3-5– CTQP QUALIFICATION BY JOB FUNCTION ASPHALT

CHAPTER 4 CONCRETE TRAINING AND QUALIFICATION PROGRAM

4.1	PURPOSE.....	4-1
4.2	AUTHORITY	4-1
4.3	REFERENCE	4-1
4.4	BACKGROUND	4-1
4.5	QUALIFICATIONS AND TRAINING COURSES	4-2
4.6	QUALIFICATION REQUIREMENTS BY JOB FUNCTION AND IMPLEMENTATION SCHEDULE	4-12
4.7	REQUALIFICATION	4-13

ATTACHMENT 4-1– ACI CONCRETE FIELD TESTING TECHNICIAN GRADE I CERTIFICATION TRAINING COURSE
ATTACHMENT 4-2– ACI CONCRETE TRANSPORTATION CONSTRUCTION INSPECTOR (CTCI) REQUIREMENTS
ATTACHMENT 4-3– ACI CONCRETE TRANSPORTATION CONSTRUCTION INSPECTOR (CTCI) TRAINING COURSE
ATTACHMENT 4-4–ACI CONCRETE STRENGTH TESTING TECHNICIAN CERTIFICATION COURSE
ATTACHMENT 4-5 – ACI CONCRETE LABORATORY TESTING TECHNICIAN GRADE I TRAINING COURSE
ATTACHMENT 4-6– ACI CONCRETE LABORATORY TESTING TECHNICIAN GRADE II TRAINING COURSE
ATTACHMENT 4-7 – CTQP QUALIFICATION BY JOB FUNCTION CONCRETE

CHAPTER 5 EARTHWORK TRAINING AND QUALIFICATION PROGRAM

5.1	PURPOSE.....	5-1
5.2	AUTHORITY	5-1
5.3	QUALIFICATIONS	5-1
5.4	QUALIFICATION REQUIREMENTS BY JOB FUNCTION AND IMPLEMENTATION SCHEDULE	5-5
5.5	REQUALIFICATION	5-5
5.6	DEPARTMENT RESPONSIBILITIES.....	5-6

ATTACHMENT 5-1– ECI LEVEL I TRAINING COURSE
ATTACHMENT 5-2 – ECI LEVEL II TRAINING COURSE
ATTACHMENT 5-3– CTQP QUALIFICATION BY JOB FUNCTION EARTHWORK

CHAPTER 6 GEOTECHNICAL TRAINING PROGRAM

6.1	PURPOSE.....	6-1
6.2	AUTHORITY	6-1
6.3	BACKGROUND	6-1
6.4	QUALIFICATIONS.....	6-2
6.5	PREVIOUS PDIT/DSIT QUALIFICATION	6-5
6.6	QUALIFICATION REQUIREMENTS BY JOB FUNCTION AND IMPLEMENTATION SCHEDULE	6-5
6.7	REQUALIFICATION PDIT/DSIT COURSES	6-6
6.8	ADMINISTRATION OF MSE WALL TRAINING COURSE.....	6-6
6.9	DEPARTMENT RESPONSIBILITIES.....	6-6

CHAPTER 7 QUALITY MANAGEMENT

7.1	PURPOSE.....	7-1
7.2	AUTHORITY	7-1
7.3	BACKGROUND	7-1
7.4	COURSES AND QUALIFICATIONS	7-1
7.5	SUSPENSION OF A QUALITY CONTROL (QC) MANAGER.....	7-3
7.6	QUALIFICATION REQUIREMENTS BY JOB JUNCTION AND IMPLEMENTATION SCHEDULE	7-5
7.7	REQUALIFICATION.....	7-5
7.8	TASKS BY RESPONSIBLE OFFICE	7-5
7.9	DEPARTMENT RESPONSIBILITIES.....	7-6

ATTACHMENTS 7-1– QUALITY ORIENTATION TRAINING COURSE

ATTACHMENTS 7-2– QUALITY CONTROL MANAGER TRAINING COURSE

ATTACHMENTS 7-3– QUALITY ORIENTATION COURSE BY JOB FUNCTION

CHAPTER 8 STRUCTURES TRAINING AND QUALIFICATION PROGRAM

8.1	PURPOSE.....	8-1
8.2	AUTHORITY	8-1
8.3	BACKGROUND	8-2
8.4	GROUTING TECHNICIAN TRAINING & QUALIFICATION PROGRAM.....	8-2
8.5	POST-TENSTION TECH TRAINING & QUALIFICATION PROGRAM	8-5
8.6	GROUTING & POST-TENSIONING TRAINING ACCREDITATION	8-7
8.7	DEPARTMENT RESPONSIBILITIES.....	8-7

ATTACHMENT 8-1 – QUALIFICATION BY JOB FUNCTION

CHAPTER 9 FINAL ESTIMATES TRAINING AND QUALIFICATIONS PROGRAM

9.1	PURPOSE.....	9-1
9.2	AUTHORITY	9-1

9.3	BACKGROUND	9-1
9.4	QUALIFICATIONS	9-1
9.5	QUALIFICATION REQUIREMENTS BY JOB FUNCTION AND IMPLEMENTATION SCHEDULE	9-6
9.6	REQUALIFICATION.....	9-6
9.7	FINAL ESTIMATES QUALIFICATION SUSPENSIONS	9-6
9.8	FINAL ESTIMATES DISQUALIFICATION	9-7
9.9	FINAL ESTIMATES RESPONSIBILITIES.....	9-7

ATTACHMENT 9-1 – FINAL ESTIMATES LEVEL I TRAINING COURSE

ATTACHMENT 9-2 – FINAL ESTIMATES LEVEL II TRAINING COURSE

ATTACHMENT 9-3 – CTQP QUALIFICATION BY JOB FUNCTION

CHAPTER 10 CTQP COURSE PROVIDER ADMINISTRATION

10.1	PURPOSE.....	10-1
10.2	AUTHORITY	10-1
10.3	SCOPE.....	10-1
10.4	REFERENCES.....	10-1
10.5	BACKGROUNG	10-1
10.6	DEFINITIONS	10-2
10.7	TASK RESPONSIBILITY BY ENTITY	10-3
10.8	PROVIDER APPROVAL REQUEST	10-7
10.9	PROVIDER REVIEW AND EVALUATION	10-9
10.10	INSTRUCTOR APPROVAL REQUEST.....	10-10
10.11	INSTRTUCTOR REVIEW AND APPROVAL.....	10-11
10.12	APPROVED PROVIDERS AND INSTRUCTORS.....	10-13
10.13	PROVIDER EXAMINATION REQUEST PROCESS	10-14
10.14	PROVIDER EXAMINATION HANDLING AND RETURN PROCESS	10-14

ATTACHMENT 10-1 – PROCTORING RESPONSIBILITIES