

DEPARTMENT: INSPECTION

COURSE: Inspec 011

TITLE: Fundamentals of Construction Inspection II (Concrete)

WORKSHEET

Course Objectives (not part of SLO-but derives SLO)	Outcome	Activity	Assessment
Ready Mix batch ticket	Students will determine Batch Ticket compliance with building code regulation for travel time, water cement ratio requirement, and water added during transit.	Students will compare Batch Ticket information with building code requirements For transit mix concrete.	Students will evaluate the contents of a ready mix concrete Batch Ticket and indicate code compliance in writing
Site Soil and concrete type	Students will be able to determine concrete type based upon soil type indicated a professional soil report.	Students will read a professional soil report to determine concrete type requirement	Students will interpret information provided from sulfate testing results stated in a professional soils report
Concrete degradation.	Students will identify probable causes of concrete failure.	Students will view a video of structural failures in buildings whose cause has been determined to be concrete related.	Students will analyze the role of incorrect concrete type and its relationship to structural failures.

SLO #1

Students will determine transit mix concrete acceptance for quality and code compliance by reading a specific ticket and comparing information provided on travel time and water added during transit with California Building Code Standards.

SLO #2

Students will analyze structural failures to identify causes related to soil characteristics and concrete types I, II, III, IV, and V mandated in California Building Codes.