COLORADO DEPARTMENT OF TRANSPORTATION

JOB SAFETY ANALYSIS

Activity Name: Splitting Tensile Strength of Cylindrical Concrete Specimens			Activity Number: AASHTO T 198 / ASTM C 496	
Activity Description & Purpose: Determination of the splitting tensile strength of cylindrical concrete specimens.				
Date Prepared:				PPE Required
Typical Equipment		Typical Crew Size:	Typical Material	Hard toe boots Safety glasses Hearing protection
Description	Class Code	(Crew sizes may vary due to different conditions throughout the state).	Description / Class Code	
See associated procedure		1	See associated procedure	

Sequence of Job Tasks	Potential Hazards	Safe Job Procedures	Never
1-Measure specimen	1-Foot injury	1-Wear hard toe boots	
2-Trim specimen (cores only)	1-Foot injury 2-Cutting injury 3-Hearing Damage 4-Eye injury	1-Wear all personal protective equipment	Operate concrete saw without prior training
3-Measure specimen	1-Foot injury	1-Wear hard toe boots	
4-Place specimen in apparatus	1-Foot injury 2-Hand injury	1-Wear hard toe boots	
5-Place apparatus in press	1-Foot injury 2-Hand injury	1-Wear hard toe boots	
6-Test specimen	1-Eye injury	1-Wear eye protection 2-Close press doors	
7-Remove specimen and apparatus	1-Foot injury 2-Hand injury	1-Wear hard toe boots	

Notes and Specifications Instructions	Other Related Resources