

Contract No.:	EA No.: IN7872	Lab No.:	05-000136
Project: CONCRETE MIX DESIGN- STRUCTURAL CLASS 4350	County:	Data Sheet No.: NONE	
Highway:		FA No.:	
Contractor:		Bid Item No.:	
Project Manager:	Org Unit:	Sample No.: NA	
Submitted By: GORDON DRAKE	Org Unit: OBEC	Qty Represented: NA	
Material Source: EUGENE SAND & GRAVEL		Reported: JAN 25 2005	
DATE-Sampled: NA	Received: 05/ 1/18	Tested: 05/ 1/24	
Type of Test: Mix Design Review - Structural	Use: Class 4350 psi - 19.0 mm	Class: 30.0 MPa	

REVIEW OF CONTRACTOR CONCRETE MIX DESIGN - TM 741x - ENGLISH

Mix Producer: EUGENE SAND & GRAVEL Contractor Mix Design No.: ESG 261

The request to review Structural Class 4350 was evaluated according to the 2002 Standard Specifications.

Average Compressive Strength: 4930 psi @ 28 days

Based on a review of the mix proportions and the available information it has been determined that the mix design complies with the specifications. This mix design is approved for use on ODOT projects. Use in accordance with and as allowed by project Special Provisions.

Mix Designed by: Tracy Zubek CCT # 41444

Mix proportions as submitted by : EUGENE SAND & GRAVEL Exposure : MODERATE

Cement	472 lb/yd3	GLACIER NW	Type I Dalian ONODA
Fly Ash	118 lb/yd3	Boral	Class C Boardman
3/4-#4	1837 lb/yd3	SSD	Gssd : 2.682 Abs : 2.0 % Source : 20-048-3
#4-0	1125 lb/yd3	SSD	Gssd : 2.560 Abs : 4.3 % Source : 20-048-3 FM : 2.88
Water	266 lb/yd3		W/C Ratio : 0.45 Slump : 5.00 inch
Air Content	5.0 %		
Density	141.4 lb/ft3		
		Air Entrainment Agent : Mstr Bldrs/AE-90	
		Water Reducer : Mstr Bldrs/Pozzolith 80	

This report does not supersede, delete or amend the project specifications. Our review of this mix design does not relieve the Contractor of the responsibility to produce satisfactory concrete.

741X =\$ 0.

TOTAL CHARGES: \$ 0.00

REMARKS:

Mix Design **DOES** comply with specifications.

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REPORT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THIS LABORATORY.

C: FILES ; R. KESSLER-CONSTRUCTION ; EUGENE SAND & GRAVEL ; GORDON DRAKE - O.B.E.C. CONSULTING ENGINEERS ; QAC 2; PM HAKANSAN

[Signature]
Laboratory Services Manager