

<b>Contract No.:</b>	<b>EA No.:</b> IN7872	<b>Lab No.:</b>	<b>05-001065</b>
Project: CONCRETE MIX DESIGN- STRUCTURAL CLASS HPC3600			
Highway:	County:	<b>Data Sheet No.:</b> NONE	
Contractor:		FA No.:	
Project Manager:	Org Unit:	Bid Item No.:	
Submitted By: MEL DUNLAP	Org Unit: 3830	Sample No.: NA	
Material Source: BEAVER STATE READY MIX		Qty Represented: NA	
DATE-Sampled: NA	Received: 05/ 3/30	Tested: 05/ 3/30	Reported: <b>MAR 31 2005</b>
<b>Type of Test: Mix Design Review - Structural Use: Class 3600 psi - 3/4" - Class 24.8 MPa</b>			

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

Mix Producer: BEAVER STATE READY MIX Contractor Mix Design No.: BS HPC25MPAFM

The request to review Structural Class 3600 High Performance Concrete mix design was evaluated according to the 2002 Standard Specifications and Special Provisions as an adjustment to a previously approved Current concrete mix design.

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: Thomas A Dryden Sr CCT # 41466

Mix proportions as submitted by : BEAVER STATE READY MIX Exposure : MODERATE

Cement	400 lb/yd3	ASH GROVE	Type I Durkee
Fly Ash	185 lb/yd3	ISG	Class F Centralia
Microsilica	25 lb/yd3	DEGUSSA/RHEOMAC SF-100	
3/4-#4	1830 lb/yd3	SSD	Gssd : 2.730 Abs : 1.5 % Source : 10-029-3
#4-0	1261 lb/yd3	SSD	Gssd : 2.660 Abs : 1.9 % Source : 10-029-3 FM : 2.80
Water	220 lb/yd3	W/C Ratio : 0.37 Slump : 5.52 inch	
Air Content	5.0 %		
Density	145.5 lb/ft3		
Air Entrainment Agent : Degussa/MBVR			
Water Reducer : Degussa/Polyheed 997			
HRWR Admixture : Degussa/Rheobuild 1000			

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.	<b>REMARKS:</b> Mix Design <b>DOES</b> comply with specifications.  *	<b>TOTAL CHARGES: \$ 0.00</b>
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REPORT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THIS LABORATORY.

C: FILES ; R. KESSLER-CONSTRUCTION ; BEAVER STATE READY MIX  
; MEL DUNLAP - REGION 3 PM-PASELK ; QAC 3; PM PASELK/HUNTER

*Thomas A Dryden Sr*  
Laboratory Services Manager