



TRANSIT PROGRAM

Summary
Summer 2008



Funded by a grant
from the Michigan-Ohio University Transportation Center



Daily Schedule

Listed below are the main activities on each day of the program. In addition, each day featured a prep session in the morning, a review and discussion of the day's activities before dismissal and regular presentations from the TRANSIT participants.



Day 1 -- Monday, July 21

Flow of Transportation -- An Introduction

Dean Leo Hanifin, College of Engineering and Science, University of Detroit Mercy

Role of SEMCOG in Regional Transit
(Southeast Michigan Council of Governments)

Tiffany Draper, SEMCOG, Traffic Division

MDOT TRAC program activities

Robert Santavicca, High School Teacher





Day 2 -- Tuesday, July 22

Traffic Flow at Signalized Intersections

Prof. Utpal Dutta

How Concrete is Made

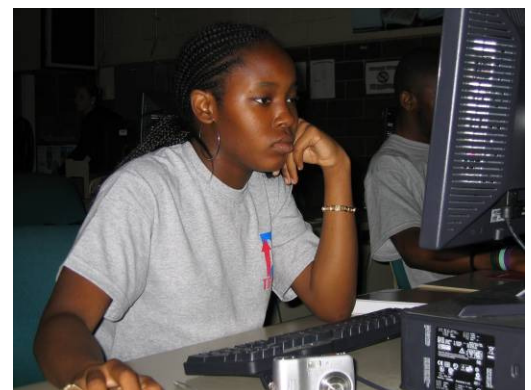
Prof. Jim Lynch

Making Concrete

Prof. Jim Lynch

MDOT TRAC program activities

Robert Santavicca, High School Teacher





Day 3 -- Wednesday, July 23

Field Trip to the Road Commission – Oakland County

<http://www.rcocweb.org/home/home.asp>

**Gary Piotrowicz;
Dawn Bierlein;
Danielle Deneau**

- Vehicle Infrastructure Integration
- Auto Traffic Control Problem
- Real Time Signals
- Auto Traffic Control Management

MDOT TRAC program activities

**Robert Santavicca,
High School Teacher**





Day 4 -- Thursday, July 24

Social Justice in Transportation

Dr. Hoback

Vehicle Integrated Intelligence

**Steven J. Cook, Structural
Fabrication Engineer,
Michigan Department of
Transportation**

**Architecture of Urban Planning and
Transportation**

**Christina Heximer; Virginia
Stanard; Crystal Whifers;
Brittany DesRocher**

MDOT TRAC program activities

**Robert Santavicca, High
School Teacher**





Day 5 -- Friday, July 25

Perspectives from a Traffic Engineer **Cheryl Gregory,
Spalding DeDecker**

**How to Make Concrete, Follow-up
Activity** **Prof. Lynch**

**Ford Motor Company Research -
'Intelligent Vehicles'** **Joe Stinnett,
Ford Motor Company**

The Future of Transportation **Dean Leo Hanifin, College
of Engineering and
Science**

Awards, Certificates and Recognition





Pre / Post Test Summary

	(Disagree = 1 ... Agree = 5)	Pre-Test Mean		Post-Test Mean		Change
1	I understand and can explain how traffic is controlled in the Metro Detroit Community	1.9		4.1		+2.2
2	I can explain several components that make up the Michigan's Traffic Management System (TMS)	1.7		4.0		+2.3
3	I can list several steps in the Regional Transportation Plan (RTP) we need to make between now and 2030 to maintain our mobility	1.1		4.1		+3.0
4	I can define and name several characteristics of the "Flow of Transportation"	1.6		4.5		+2.9
5	I can identify and describe several social implications of reducing car congestion	1.8		4.2		+2.4
6	I understand SEMCOG's role in transportation flow in our area	1.2		4.4		+3.2
7	I can identify and describe the process of forming and testing cement for our roads	1.9		4.6		+2.7
8	I can define careers related to the 'Flow of Transportation'	2.2		3.8		+1.6
9	I see myself involved in a career related to the field of Transportation.	2.1		4.1		+2.0
10	I rate this program high, positive experience (Post test only)	X		X		4.3