WELCOME to SPS-2 Tech Day

WORKSHOP PROGRAM

Welcome and Introductions
Lloyd MacAdam, P.E., P.S., ODOT Chief Eng
Mark Pardi, P.E., ACPA

Long Term Pavement Performance Program (LTPP)
Jack Springer, P.E., LTPP FHWA

LTPP SPS-2 Experiment and Construction
Roger Green, P.E., OU

Ohio University and DOT SPS-2 Research
Dr. Shad Sargand, Sam Khoury, OU

Performance of SPS-2 Concrete Pavements
Kevin Senn, P.E., NCE

SPS-2 MIT Scan Results
Jack Springer, P.E., FHWA

Lessons Learned From SPS-2 Nationally
Larry Scofield, P.E., IGGA - Director of Engineering and Research ACPA

OHIO CONCRETE

ACPA, Ohio Chapter

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odot
transportation.ohio.gov

<u>Schedule</u>

9:00 AM – Introduction Lloyd MacAdam,
Jack Springer
Roger Green & Dr Sargand

Break

Kevin Sinn
Jack Springer
Larry Scofield

12:00 PM – (Box Lunch provided)

Transportation to site – Two O.U. Vans

SPS-2 Tech Day

Thank you to our presenters and ODOT for Hosting!

ODOT, Lloyd MacAdam, Chief Engr.
Ohio University- Dr Sargand & Roger Green
Jack Springer, FHWA
Kevin Senn, NCE
Larry Scofield, IGGA
Mitch Blackford, Laura Wright & Theresa Pryor, ODOT D6
Mike Taylor & Shawn Wilson, Del. Co. Mngr/Transportation

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WELCOME to SPS-2 Tech Day

SPS (Specific Pavement Study)
-2 (Rigid Pavement) & -1(Flexible Pavement)

US 23 OHIO / SHRP Test Road
Strategic Highway Research Program (SHRP)

Long Term Pavement Performance (LTPP)

Mark Pardi
ACPA, Ohio Chapter

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SPS-2 Tech Day

Special Mention to SPS-2 Project Personnel (1994-96)

Lisa Zigmund, ODOT Project Engineer
Brad Young, ODOT SHRP Test Co-ord. w/FHWA & 6 Univ.
Gary Angles, ODOT Construction Engineer
Roger Green, ODOT Research Engineer
Andy Blalock, FHWA Area Engineer

Prime Contractor S.E. Johnson Co.
Concrete Sub: Hi-Way Paving

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OHIO DEPARTMENT OF TRANSPORTATION
JERRY WRAY, DIRECTOR

DATE : 07/06/94

PAGE : 073 -1

TABULATION OF BIDS

ODOT PROJECT NUMBER : 940380 AWARDED VENDOR NUMBER : 34-4272670
CALL ORDER : 073 CONTRACT ID : CDEL11612 COUNTIES : DELAWARE
LETTING DATE : 06/21/94 10:00 AM DISTRICT : 06
CONTRACT TIME : 10/15/95 COMPLETION DATE
CONTRACT DESCRIPTION : RURAL CLASS PROJECT(S) : NH-22(78)
FOR IMPROVING SECTION DEL-23-17.48, U.S. ROUTE 23 IN TROY
AND MARLBORO TOWNSHIPS, DELAWARE COUNTY, OHIO, IN
ACCORDANCE WITH PLANS AND SPECIFICATIONS BY GRADING,
DRAINING AND PAVING WITH ASPHALT CONCRETE ON A
BITUMINOUS AGGREGATE BASE IN PART, PAVING WITH PLAIN
CONCRETE IN PART AND PAVING WITH REINFORCED CONCRETE
PAVEMENT IN PART AND BY CONSTRUCTING A CULVERT.

SET-ASIDE :

VENDOR RANKING :

RANK	VENDOR NO./NAME		TOTAL BID	% OVER LOW BID
1	34-4272670	JOHNSON S E COMPANIES INC PO BOX 29 A	$ 10,281,263.55	100.0000%
2	31-4366382	COMPLETE GENERAL CONSTRUCTION COMPANY (INC)	$ 10,284,404.60	100.0305%
3	31-1023518	KONOSING CONSTRUCTION COMPANY INC P O BOX 226	$ 10,572,168.00	102.8294%
4	31-4351261	SHELLY & SANDS INC P O BOX 1535	$ 12,282,693.61	119.4667%

SPS - 2 Background Information

Original Construction US 23 Strategic Highway Research Program (SHRP)

There were about 40 different test sections – Concrete NB & Asphalt SB

Ribbon Cutting in July 1996 (Snow Balls), SPS Tech Day in 2000

SPS-2: PCC Sections on the Northbound, Approx. 3 miles long

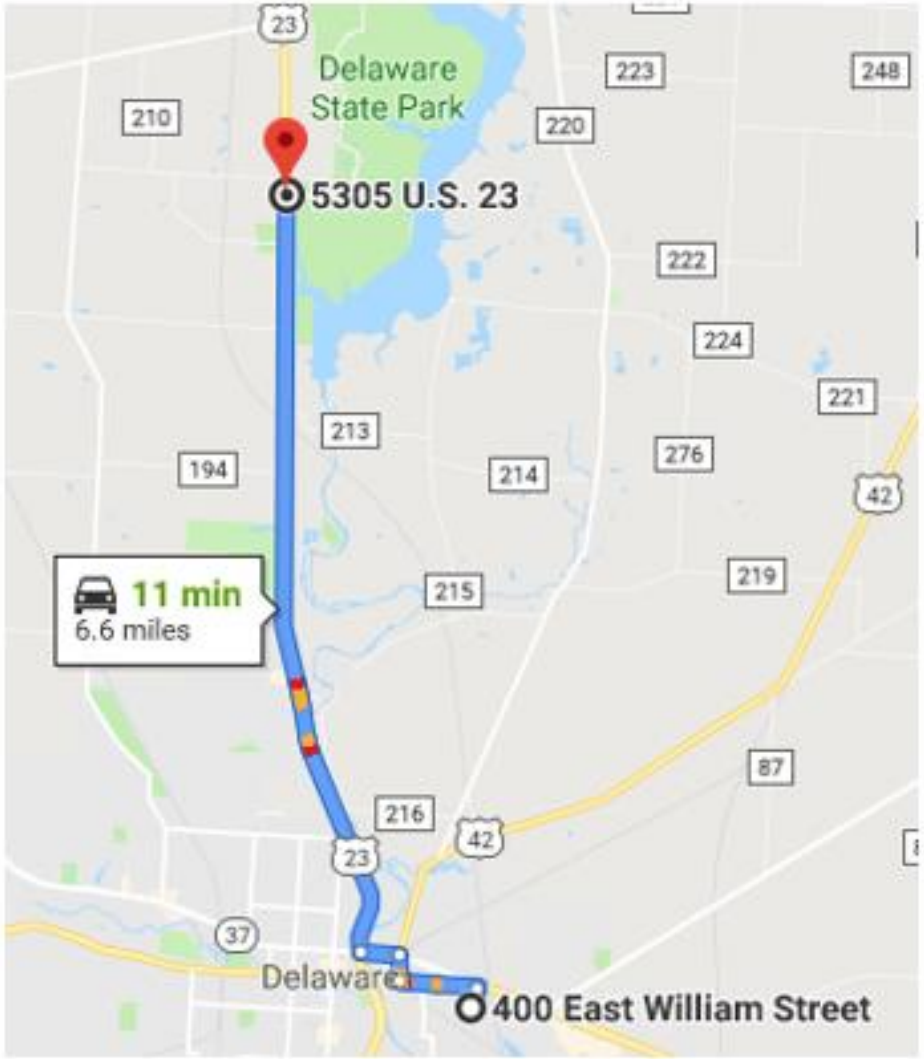
Original SPS-2 experiment to evaluate 5 design features:

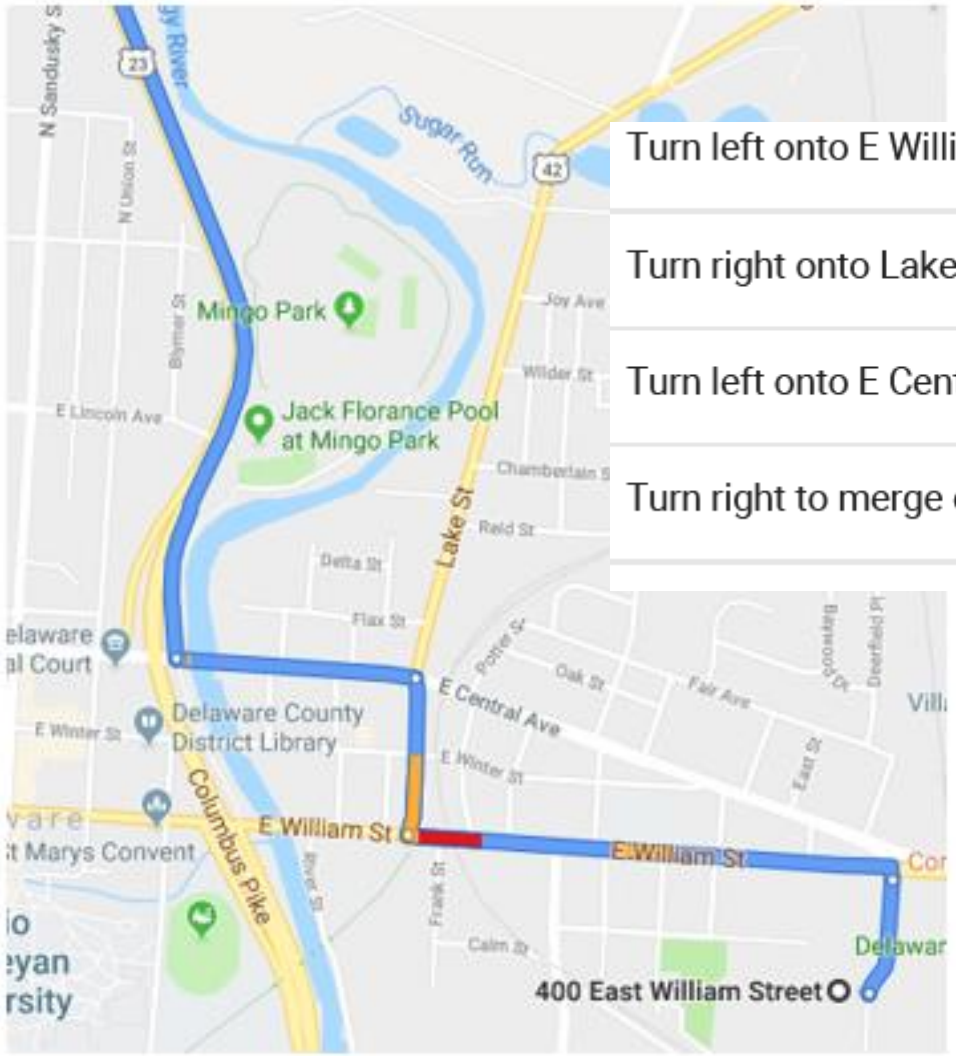
1) Thickness: 8” & 11”
2) Flexural Strength: 550 PSI and 900 PSI
3) Travel lane width: 12’ & 14’
4) Base type: Aggregate Base, Lean Concrete Base, & Perm Asphalt Treated Base
5) Drainage: Drained & Undrained*

* Sections were designed to fail

SITE VISIT
Map to the SHRP Test Site

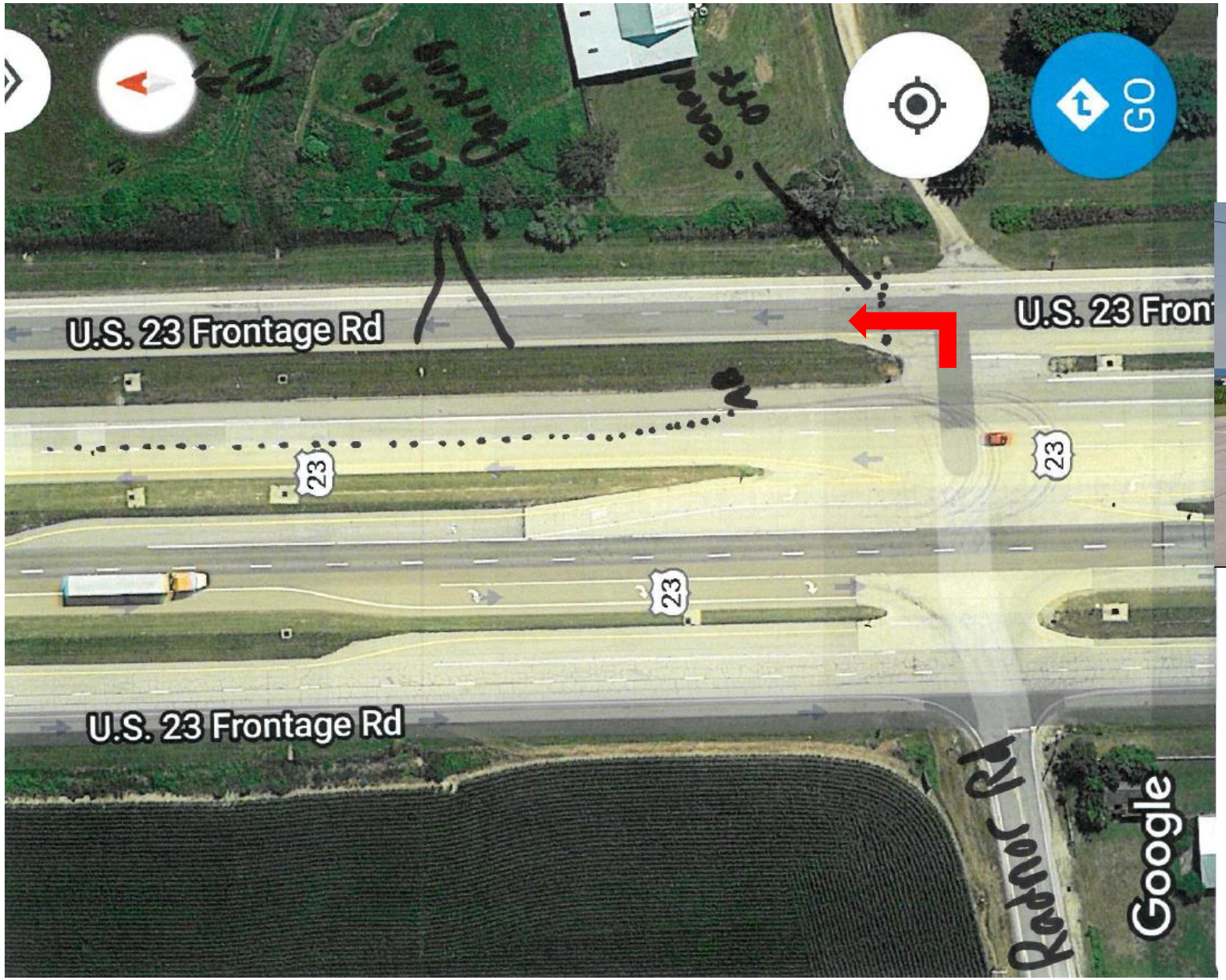
Directions to the US 23 SHRP Test Section - 6.5 miles (11 min)





Turn left onto E William St	0.6 mi
Turn right onto Lake St	0.2 mi
Turn left onto E Central Ave	0.3 mi
Turn right to merge onto US-23 N	5.4 mi

US 23 SHRP Site Visit - Parking



Troutman Rd from the South

Radnor Rd from the West