

Dixboro Road and Dixboro Road Bridge Construction

Ann Arbor Township, Michigan



This project was initiated with the submittal of a Critical Bridge Program funding application to the Michigan Department of Transportation (MDOT) in 1990, under the direction of Road Commissioners Norman E. Kennedy, Fred J. Veigel, Herman Koenn, and Managing Director, Bob Polens. At that time, Steve Puuri was the County Highway Engineer and Roy

Townsend was the Project Engineer. Prior to construction, extensive preliminary work was conducted over an eight-year time frame. The project consisted of construction of a new bridge structure over the Huron River and construction of a realigned section of roadway leading to and from the bridge along what is known as Dixboro Road, between Huron River Drive to the south and Geddes Road to the north. Portions of construction of both the road and the bridge occurred concurrently over a two-year period. The Dixboro Road Bridge project was the largest single-phase project ever undertaken by the Washtenaw County Road Commission.

DIXBORO ROAD BRIDGE

Full construction a five-span bridge, 178 meter long concrete I-beam bridge spanning the Huron River, Norfolk Southern Railroad, and the City of Ann Arbor Wastewater Treatment Plant access drive. The construction included two pile-supported abutments and four piers supported by modified spread-footing type foundations. The completed bridge carries four lanes of traffic, with a pedestrian sidewalk along the west face of the bridge.



DIXBORO ROAD

Full construction of two-through five-lane bituminous roadway cross-sections to the north and south of the new bridge, including concrete curb and gutter. This portion of the project included both sanitary and storm sewer, as well as watermain construction.

A new signalized Dixboro Road / Huron Drive intersection located south of the new bridge was realigned. Construction of Old Dixboro Road (existing) included crushing/shaping/resurfacing, full depth reconstruction of the road cross-sections, as well as concrete curb and gutter.

OWNER / CLIENT

Washtenaw County Road Commission

PROJECT START - END

February, 2004 - December, 2006

PROJECT NUMBER

SM04-067



Spalding DeDecker Associates, Inc. (SDA) provided construction staking. This project was METRIC. Special Provision based on the Michigan Department of Transportation's, "1990 Standard Specifications for Construction," which was modified to apply to a metric project, was used. A special provision provided the guidelines for WCRC staking requests.

Construction Staking included: lines, grades, and elevations; right-of-way; clearing stakes; slope stakes; subgrade stakes; pavement stakes; drainage and utility stakes; structure stakes and controls; bridge substructures; bridge superstructures; sidewalk, curb, and railing; miscellaneous item stakes; volume computation; final cross-section drawings; replacement of monumentation; and project management.