



STENCO REPORT

SPRING 2021



The grand lobby of the Vehicle Performance and Electrification Center features an artistic rendition of how the wind tunnel fan blows air around Ford motor vehicles for testing purposes.

WRAPPING UP FORD MOTOR COMPANY'S NEW VPEC FACILITY

Stenco Construction has completed work on the largest project in its company history. Ford Motor Company's new, revolutionary research and testing facility, the Vehicle Performance & Electrification Center is the most technologically advanced wind tunnel of its kind in the world, and will test passenger vehicles from small crossover SUVs to large, super duty trucks and Ford motorsports vehicles.

This 14-acre campus in Allen Park, MI broke ground in 2017, and includes a battery lab, a wind tunnel, a wind tunnel support facility, and multiple offices and work areas. The battery lab contains a variety of battery cyclers and environmental chambers. The wind tunnel is capable of speeds up to 200 mph and includes a state-of-the-art rolling road system, a traversing measurement system, and a cutting edge frontal area measurement system.

Throughout this project the scope of work expanded from just the wind tunnel to include the addition of the battery lab, various support facilities, foundations for a future to-be-determined battery lab, additional functional spaces for employees, and customer-required, higher-end finishes. With these expansions, Stenco provided the customer with expert advice to ensure we were designing for constructability, capacity, and safety through the scope expansions. Thanks to our recommendations, Stenco was able to adapt the project plans to suit the expanding scope, while still ensuring the feasibility of the project as a whole. We successfully executed the entirety of the new scope while minimizing sacrifices in terms of functionality, schedule, and budget.

FORD MOTOR COMPANY VPEC, CONT.

Critical to the project’s success were the LEAN principles and pull planning processes that Stenco, alongside many other partners, utilized. This process involved interactive planning, weekly collaborative meetings, and daily huddles – which allowed everyone across the jobsite, from subcontractors to customers, to talk comprehensively about the project. This coordination allowed the project teams to act proactively, rather than reactively, and made the entire project more efficient, more productive, and safer.

In addition, Stenco utilized many LEAN construction solutions, value engineered ideas, proactive collaboration, and specialized equipment/processes to help solve several planning/scheduling and materials-related challenges on this project. These challenges included the coordination of

multiple project teams – all with unique schedules, working simultaneously across three buildings and many different activities on a single jobsite.

Thanks to Stenco’s proactive and collaborative planning in the early stages of the project, and close coordination with both the owner and our design partner, this project was successfully executed to the highest quality standards – while also incorporating the expanded scope. Our innovative use of the lean methodologies, high-tech equipment, addition of value engineered ideas, and overall collaborative processes ensured the project stayed on track and operated efficiently and safely despite the large number of subcontractor partners and ongoing activities.

The new VPEC facility includes open office areas alongside the new battery lab.



The new facility includes a variety of battery cyclers and environmental chambers.

The 14 acre campus include a wind tunnel (left), a battery lab (right), and a support facility (center).





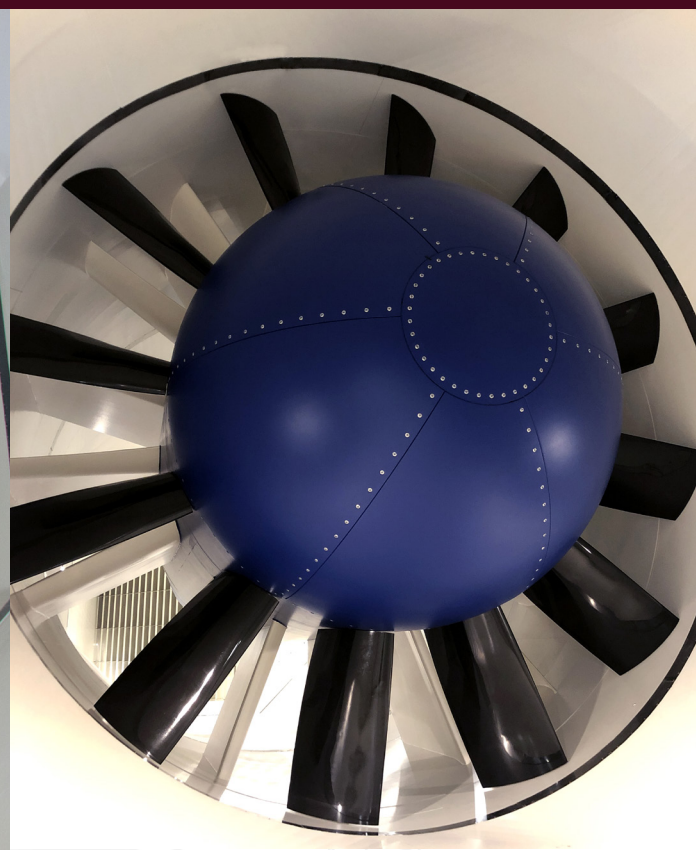
The rooftop patio / break area for employees includes a removable tile floor to allow for access to important maintenance equipment.



Many of the trees removed from the jobsite in the early days of construction were repurposed into large conference room tables for the facility.



The wind tunnel fan blows air up to 200 mph and includes a state-of-the-art rolling road system.



The wind tunnel fan sits in a 28-foot-tall concrete octagon box-out.

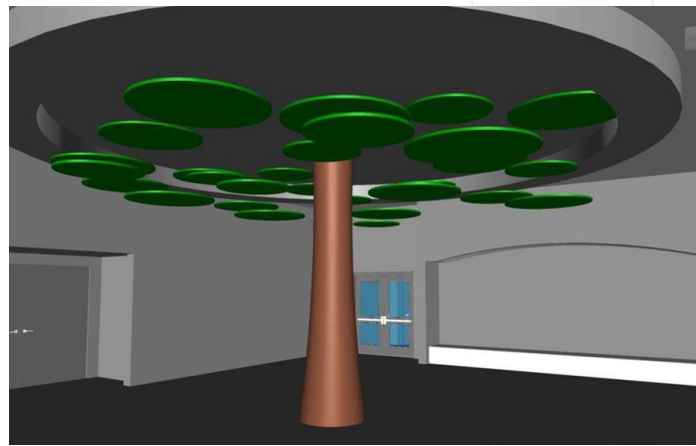
HURON SCHOOLS EARLY CHILDHOOD CENTER – BUILDING ADDITION

Stenco is working with Granger Construction and providing general trades, carpentry, and interior finishing services for an expansion of the Huron Schools facility in New Boston, MI. This 45,000 square foot addition to the existing middle school building will provide six new science classrooms and laboratories for the middle school, as well as a new early childhood center wing with separate gymnasium, kitchen, library, offices, and classrooms.

For this project, Stenco provided demolition, millwork, rough carpentry, as well as interior and exterior building specialties

and finishes. These finishes included exterior building signage, window shades, bathroom partitions and accessories, and interior acoustic clouds to go above an artificial tree, acting as the “tree canopy”. Stenco also erected over 500 light gauge metal trusses for the addition’s roof system.

This project, expected to be completed in mid-2021, has included more than 6,500 self perform man-hours for Stenco with an excellent safety record of zero incidents.



*Top: The new 45,000 square foot addition includes more than 500 light gauge metal trusses for the roof system.
Bottom Left: Stenco will install interior acoustical clouds that act as a “canopy” for a new artificial tree.
Bottom Right: The new addition includes six new science classrooms/labs for the middle school and an early childhood center.*



MANAGEMENT CORNER

By Nick Schallmo

We are reflecting back on the many successes Stenco celebrated in 2020. We were fortunate to take on new challenges with a variety of diverse clients, venture into different market segments, and push our boundaries as an organization.

Last year we celebrated the completion of the largest project in our company history, Ford Motor Company’s VPEC, which you can read about on the cover of this newsletter. This project provided opportunities for tremendous growth and was a great accomplishment for our team.

As we look ahead in 2021, we are excited for new opportunities. We continue our focus on safety and quality, and we will renew our focus on process adherence, planning, and efficiency in everything we do. In addition to our work in the manufacturing market, we will continue our drive to build our carpentry trade self perform services as well as strengthen our relationships with our core General Contractor and Construction Manager clients.

We have an incredible team at Stenco, who is dedicated to working smarter and delivering our customers the highest quality work product. Thanks to this team, we are in an excellent position for future growth in the years to come.

RECENT PROJECT AWARDS

**Confidential Client
Data Center Expansion/Renovation
& Secure Facility Expansion**

Belleville, MI

**DTE Energy
Rouge Compressor Station - Storm
Water Drains & Junction Chamber**

Melvindale, MI

**Ford Motor Company
Michigan Assembly Plant - New
Visitors Center**

Wayne, MI

**Ford Motor Company
Driveability Test Facility EMC
Material Hoist**

Allen Park, MI

**Mazda Toyota Manufacturing
Waste Water Treatment Building
Interior Buildout**

Huntsville, AL

**Toyota Motor Manufacturing
40 Foot Tall Highway Sign
Installation**

Saline, MI

**Toyota Motor Manufacturing
115E Slab Replacement**

Buffalo, WV

**Toyota Motor Manufacturing
Cooling Tower**

Buffalo, WV

**Toyota Motor Manufacturing
Facility Renovation for New Quality
Learning Center**

Georgetown, KY

RETIREMENT



**Bret Holman
Foreman**

Congratulations to Bret Holman, Foreman, on his retirement after seven years with Stenco and nearly 40 years in construction. In his retirement, Bret plans to spend more time with his family, as well as fixing motorcycles and creating competitive motorcycle builds, a hobby of his since he was a kid. Bret also plans on spending time and using his carpentry skills volunteering for the Habitat for Humanity and a variety of Veterans housing programs when he is able. Thank you for your dedication and commitment to Stenco, Bret!