



# 3D PRINTED BUS SHELTER ART

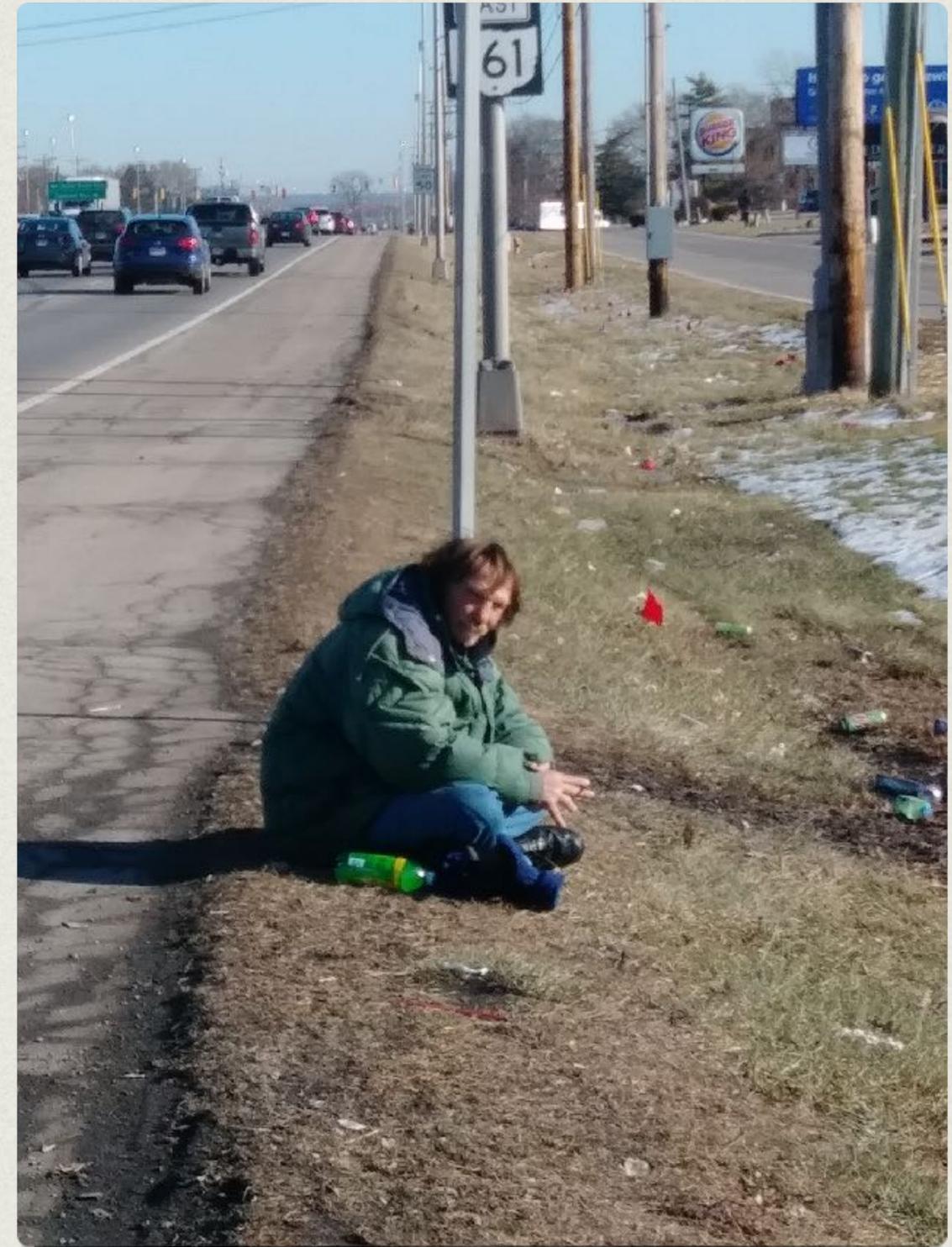
*Safety, Community, Beauty by the 161 Task Force*

# PROBLEM

*Despite having the highest population of Columbus residents without cars, the 161 corridor has low COTA ridership.*

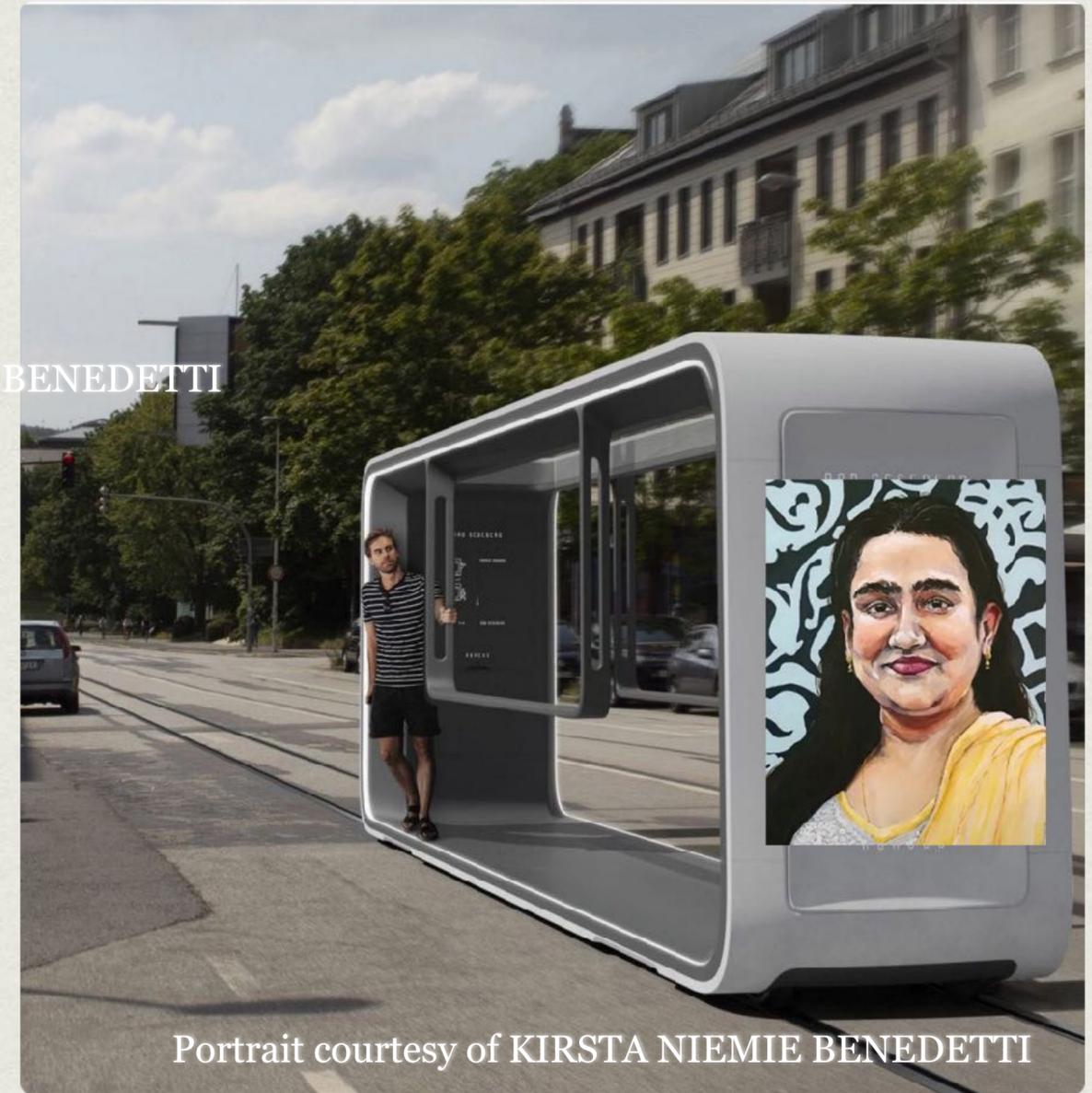
***You can see why.***

*The “bus stop” is a stick in the ground next to a ditch, with five lanes of 50mph traffic alongside.*



# SOLUTION: PILOT PROJECT

- IC3D will create a 3D-printed bus stop
- 161 Task Force will partner with a local artist to feature a print of her work with local immigrants
- The model could spread across the city
- Partners: COTA, City of Columbus, Northland Area Business Association



# PRELIM WORK

*IC3D is already poised to help.*

*Michael Cao, CEO, has already designed a scale model of a platform that can conform to the topography of the ground, and will allow rainwater to pass through, eliminating the need for stormwater remediation that is required for concrete pad bus stops. He has worked on this in conjunction with the City of Columbus and COTA. The photo is his model.*

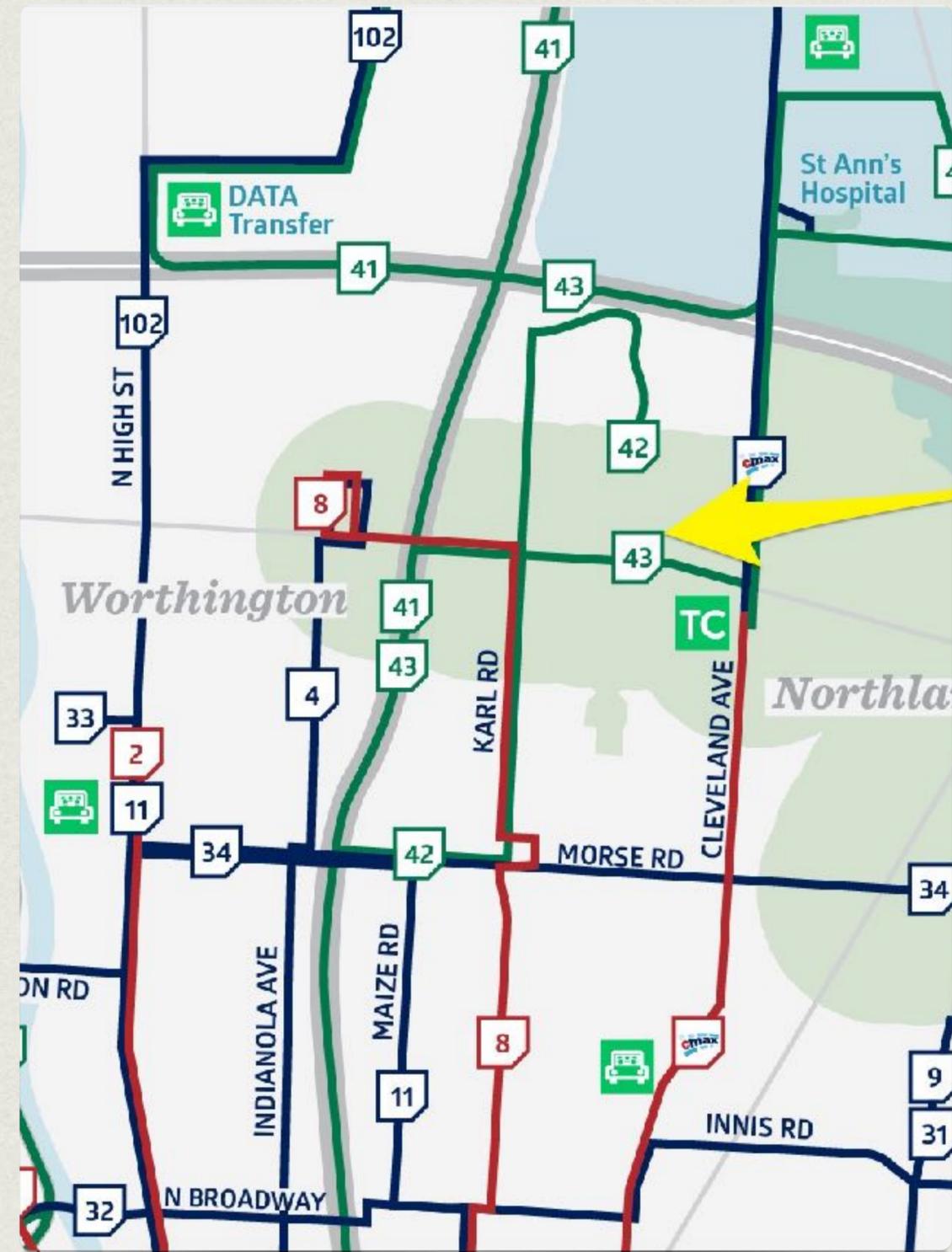
*He has been waiting for a location to try it, and funding for a real prototype.*



# LOCATION

*The COTA 43 Route has been sporadic since Covid and currently only serves 161 on the reverse commute. Increased ridership would lead to increased service. We are targeting a stop on 161 near Beechcroft Avenue that serves Focus Learning Academy (a charter school), Ashland University, a bank, a Chipotle, and multiple small businesses.*

*This important bus line connects the CMAX route on Cleveland Avenue and the reliable COTA 8 Route. Yet it is dangerous and uncomfortable to wait for the bus along the edge of a five-lane highway with no protection.*



# ART

*Northland as a community lacks a focal point and an identity, aesthetically. If you were to make a mural of Northland, what would it be? Its people.*

*That's why we propose partnering with a local artist (hopefully KIRSTA NIEMIE BENEDETTI, but we could also hire a local photographer) to create weatherproof prints of the people of Northland.*



face immense barriers in their integration including but not limited to: language barriers, dev  
structural issues such as exclusionary policies they face, they are often seen as the "others".  
are different from oneself does not come easily.

alized in Columbus, New American women, to have their narratives centered. Real impact and  
page at a more intimate level.



Tania



Hamida

# THE EVENT AND MAINTENANCE

- The 161 Task Force already has the capacity to host an event, via the membership list and media strength of the Northland Area Business Association, for the unveiling of this innovative structure.
- The 161 Task Force already hosts monthly litter cleanups, which include the area around the new bus stop structure.
- The City of Columbus already mows the right of way.
- ODOT has already signed an agreement with the City of Columbus to maintain the right of way.

# OUT OF OBSCURITY

*The 161 Task Force has been raising this issue for years with no progress. It is time we take the bull by the horns and install our own solution, working with partners to bring good design, problem solving and public art to a community that desperately needs all three.*

