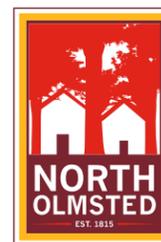


Gateways Plan

City of North Olmsted

MARCH 2018



Welcome, we appreciate you taking the time to see our exciting plans for North Olmsted's gateway enhancement program. This initiative comes out of a lot of research and work on our brand and thoughtful city planning.

Why Bother?

Gateways serve multiple purposes. In addition to defining city boundaries and making folks aware of when they're entering, leaving or passing through North Olmsted, it also makes a bold statement about the fact that we care about our city. Like a neighbor who maintains a pristine garden or updates the façade of their home, gateway enhancements demonstrate our hometown pride for everyone to see and gives shape to our identity. For residents, it stirs pride and demonstrates that our city government is progressive and invested.

What Are We Planning?

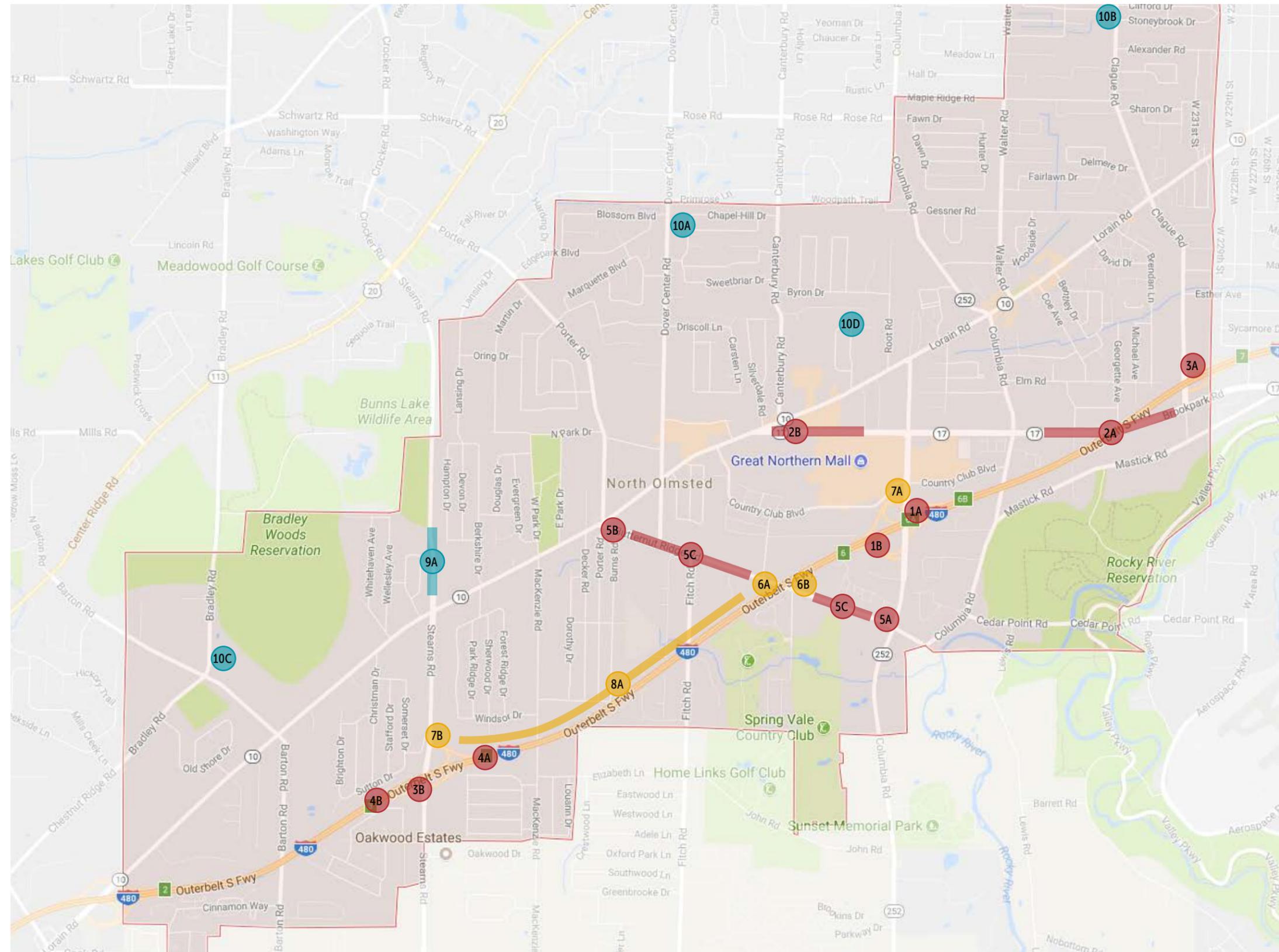
This plan is designed with a focus on I-480, where many of our visitors and residents enter the city, but we wanted the experience to be connected throughout the city. We carried the theme to other key gateways, with pillars along Brookpark and landscaping enhancements around Dover, near our town center, to provide definition and continuity. Taking it a step further, the gateways are actually multi-modal, marking pedestrian and bike paths that are currently underutilized to remind people that these areas are for them to use and enjoy.

A Connected City

The connectedness of the plan is also seen through the design. We didn't want everything to look the same, but there are repeated themes to make it clear that you are in North Olmsted. Variations in color are all reflective of North Olmsted's brand. And some structural themes are repeated. For example, pillars are used in several locations, but have variations that are tailored to their specific site – some may be lit and others are hollow and play with shadows (like the I-480 gateway signage). In all cases, the variety and versatility of the signs are mindful of the space, designed to be easy to maintain and enhance – rather than interfere with – highway signage.

Overall, this program will serve North Olmsted on many levels – establishing boundaries, marking key neighborhoods and areas within the city, beautifying the community and, maybe most importantly, building and demonstrating pride for our city.

Priorities Location Plan



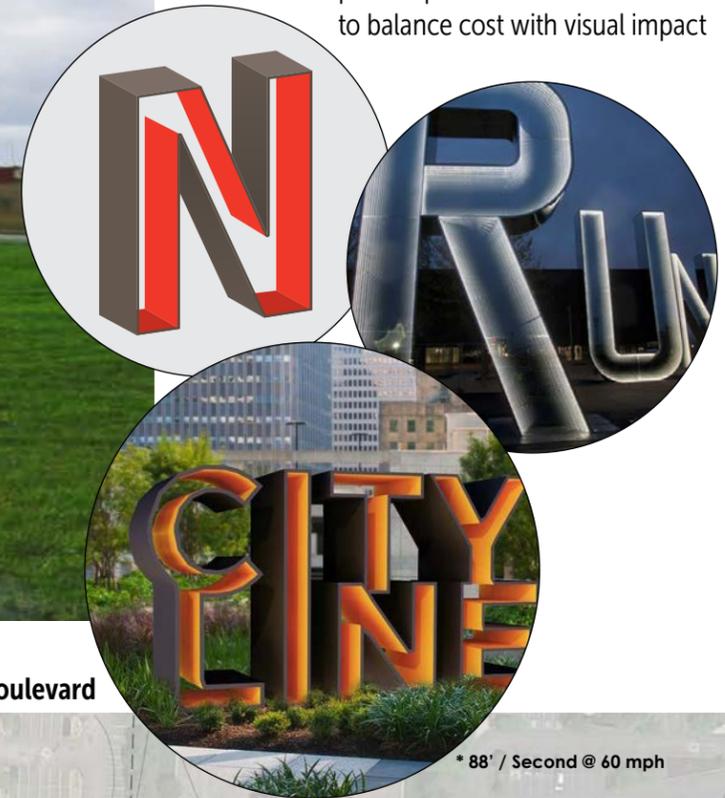
- Vehicular Experience**
 - 1A Welcome at Great Northern Boulevard, I-480 Westbound
 - 1B Welcome at Great Northern Boulevard, I-480 Eastbound
 - 2A Enhancement at Brookpark Road boulevard, I-480 Bridge East and West Sides
 - 2B Enhancement at Brookpark Road boulevard, Lorain Road Intersection
 - 3A Gateway at Clague Road, I-480 Westbound
 - 3B Gateway at Stearns Road, I-480 Eastbound
 - 4A Pedestrian Overpass, I-480 Spruce School
 - 4B Pedestrian Overpass and Buttress Walls, I-480 Christman Drive
 - 5A Gateway at Butternut Ridge Historic District, Butternut Ridge Road and Lorain Road
 - 5B Gateway at Butternut Ridge Historic District, Butternut Ridge Road and Great Northern Boulevard
 - 5C Enhancement of Butternut Ridge Historic District, Butternut Ridge Road
- Pedestrian Experience**
 - 6A Butternut Ridge Road Trailhead
 - 6B Butternut Ridge Road Pocket Park
 - 7A Trailhead at Great Northern Boulevard
 - 7B Trailhead at Stearns Road
 - 8A Pedestrian Trail and Entry Points along I-480
 - Fitch Road
 - MacKenzie Road
 - Southern Avenue
 - Revere Drive
 - Kennedy Ridge Road
- Opportunity Areas**
 - 9A Sound Wall Enhancement at Stearns Road
 - 10A Enhancement of Dover Center Road Pump Station
 - 10B Enhancement of Lebern Pump Station
 - 10C Enhancement of Bradley Pump Station
 - 10D Enhancement of Tallwood Court

Priorities are listed in order within each experience area.

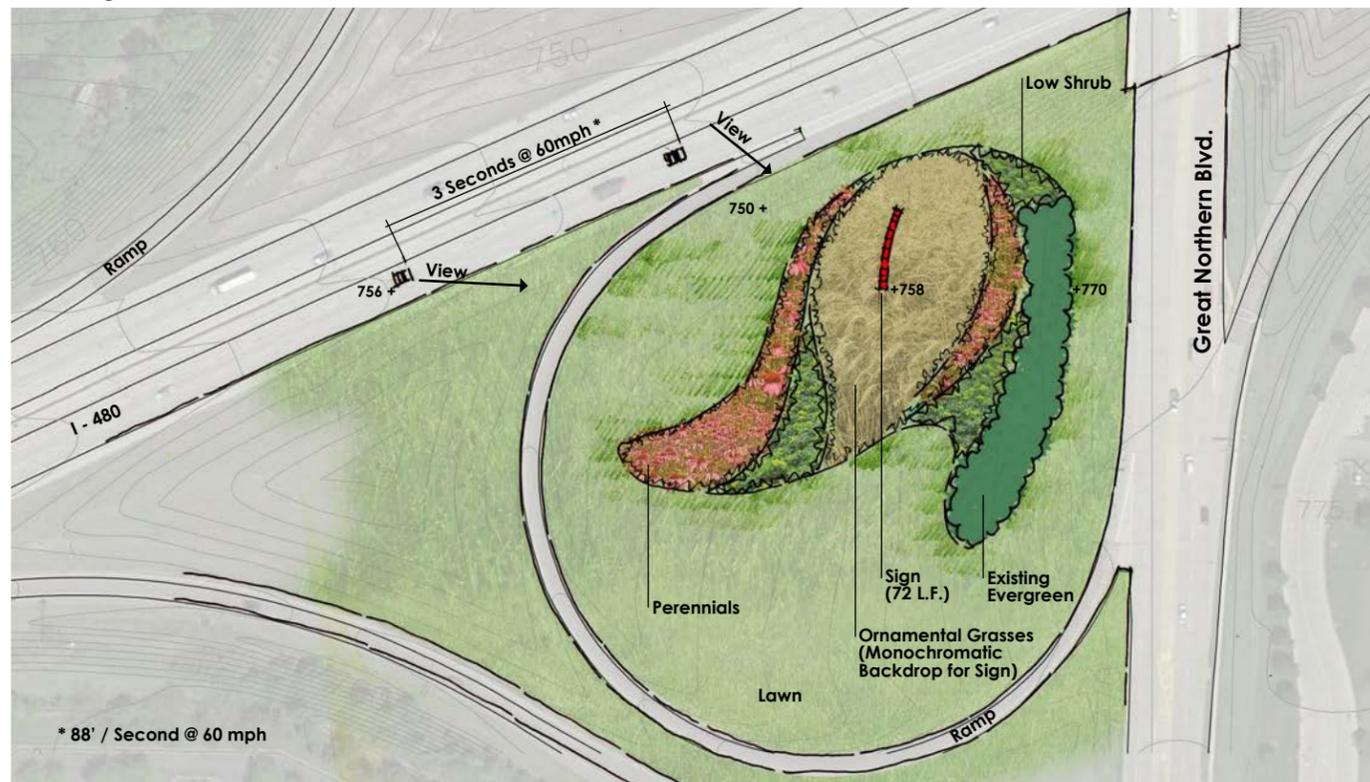
Vehicular Experience – Great Northern Boulevard Welcome



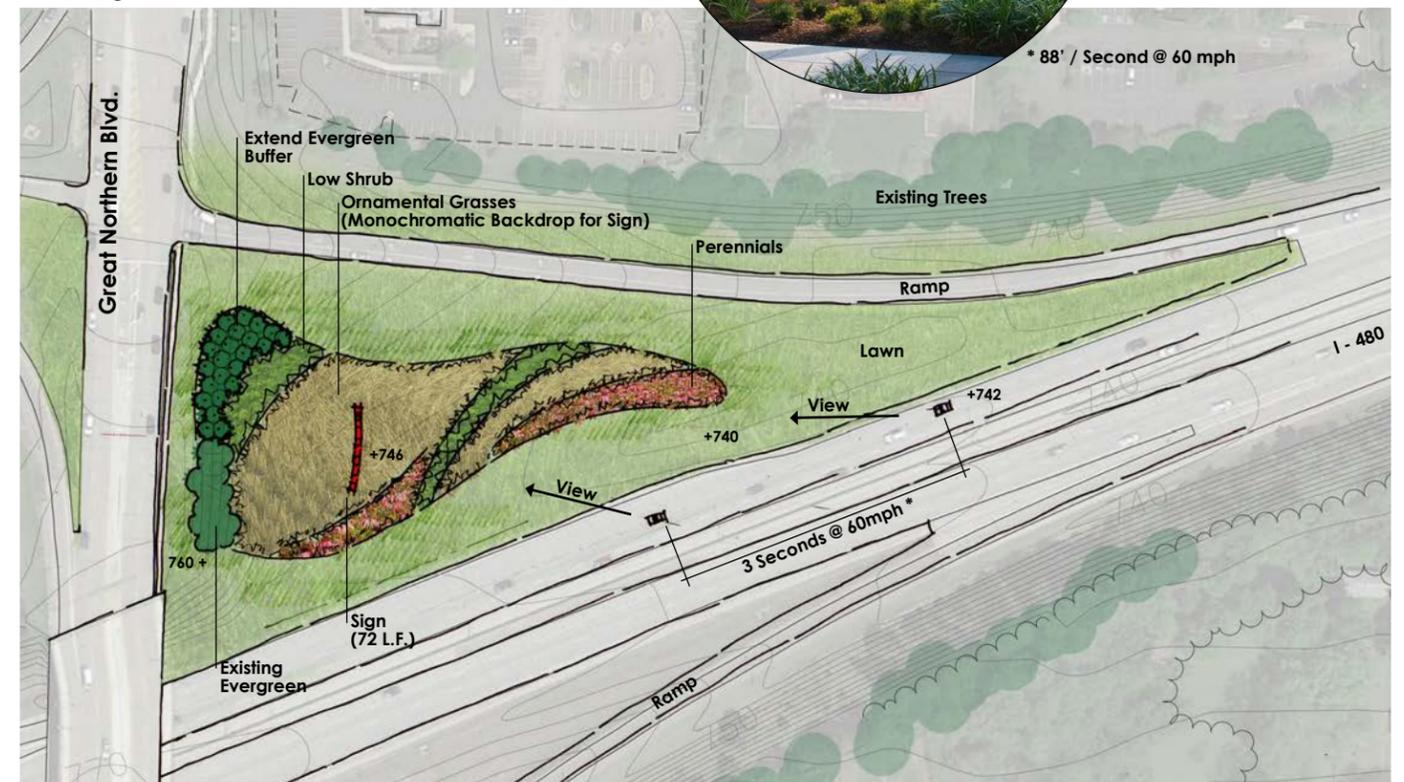
Dimensional letters painted in brand colors. Inside returns painted contrasting color for visual impact. During design development phase options for letters would be explored to balance cost with visual impact



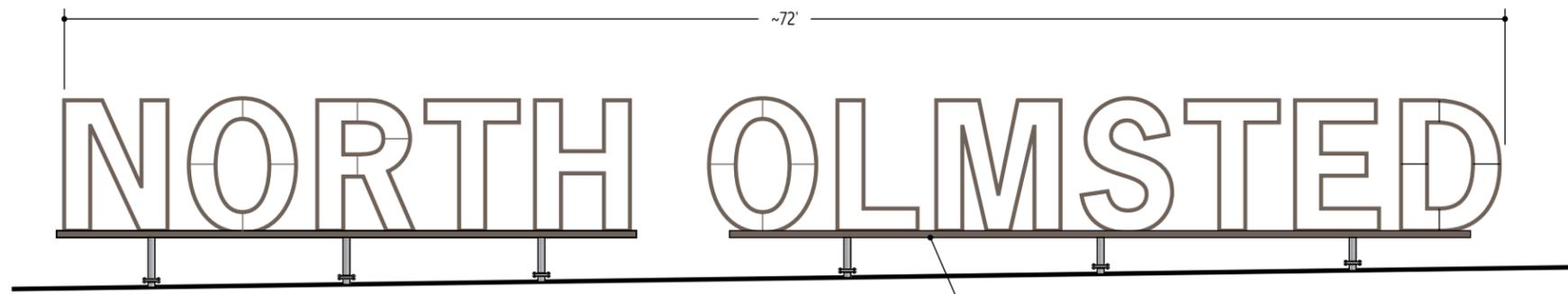
Traveling I-480 Eastbound at Great Northern Boulevard



Traveling I-480 Westbound at Great Northern Boulevard

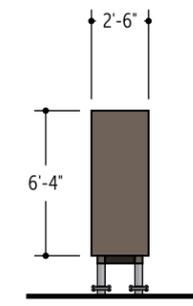


Vehicular Experience – Great Northern Boulevard Welcome Dimensional Letters Detail



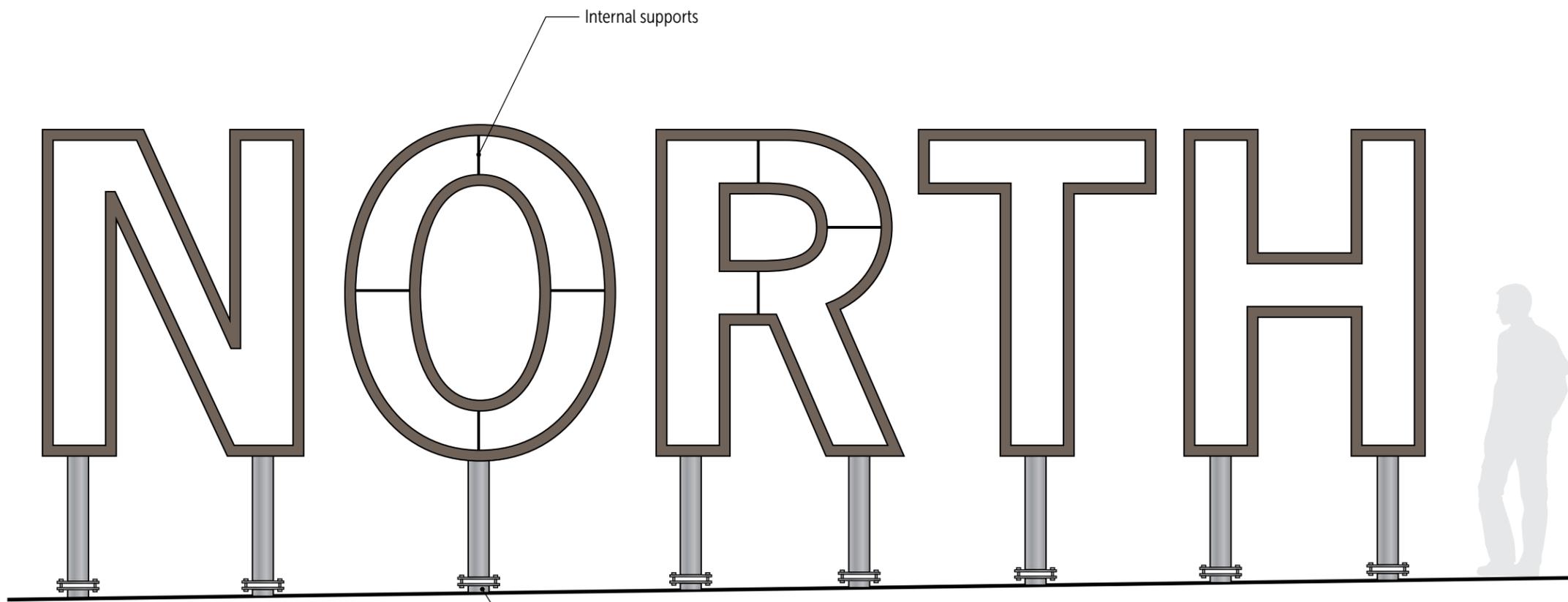
DIMENSIONAL LETTERS – ALT MOUNTING
Scale: 1/8" = 1'

Raceway mounting for letters to reduce number of posts in ground



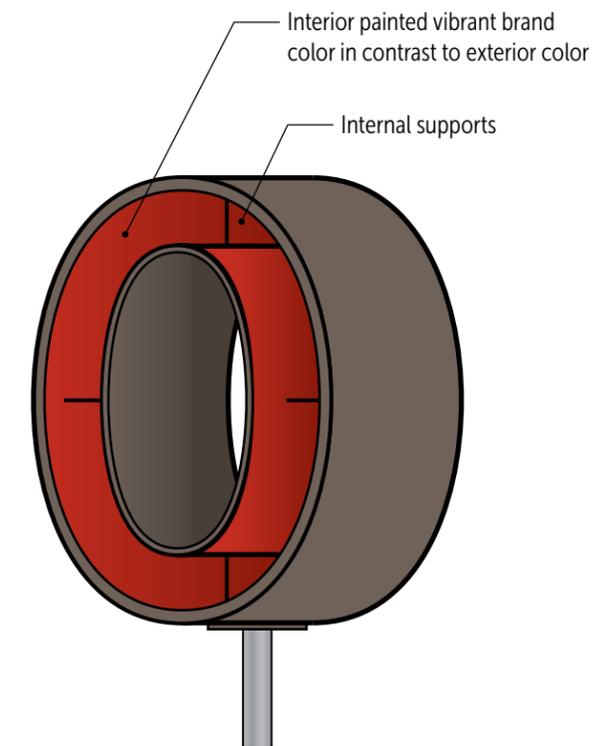
SIDE

Discussions with fabricator to develop practical and cost effective design



DIMENSIONAL LETTERS
I-480 exit at Great Northern
Scale: 3/8" = 1'

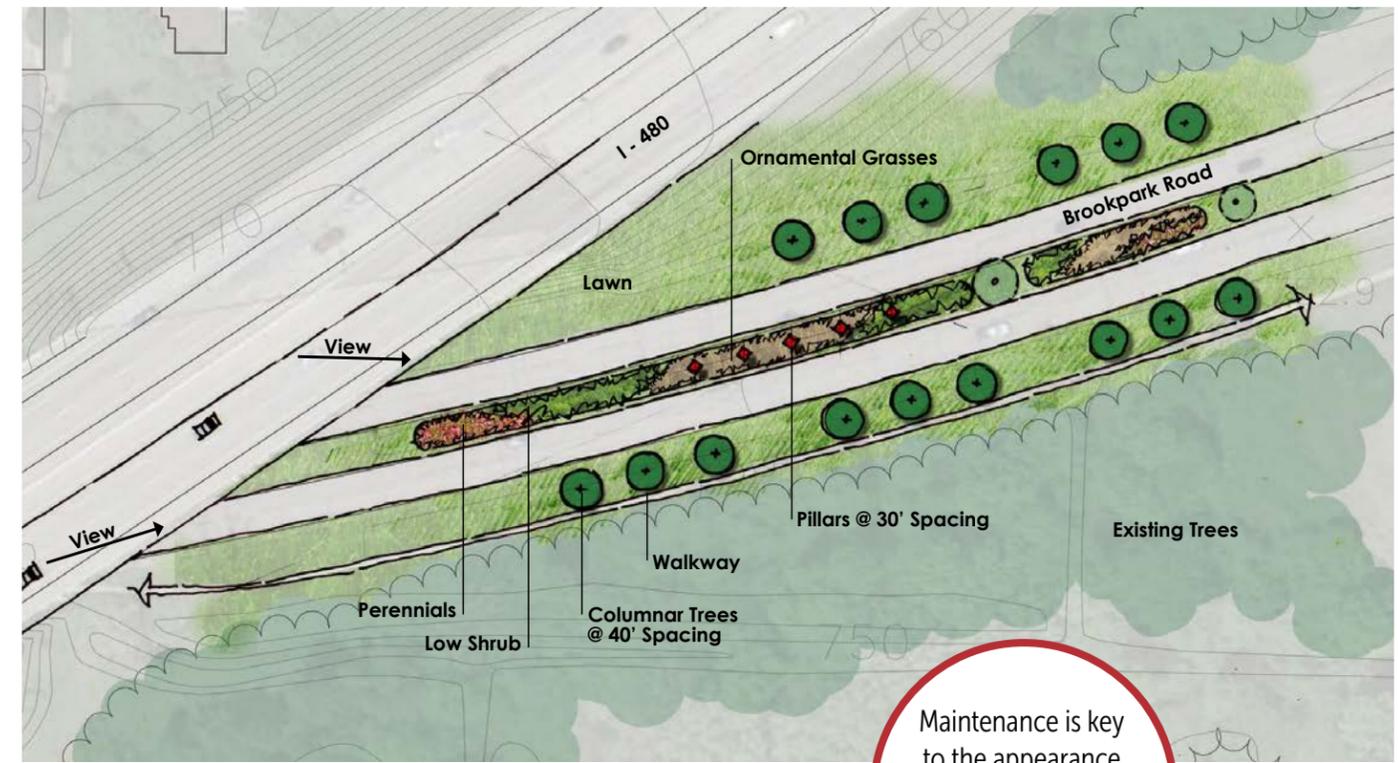
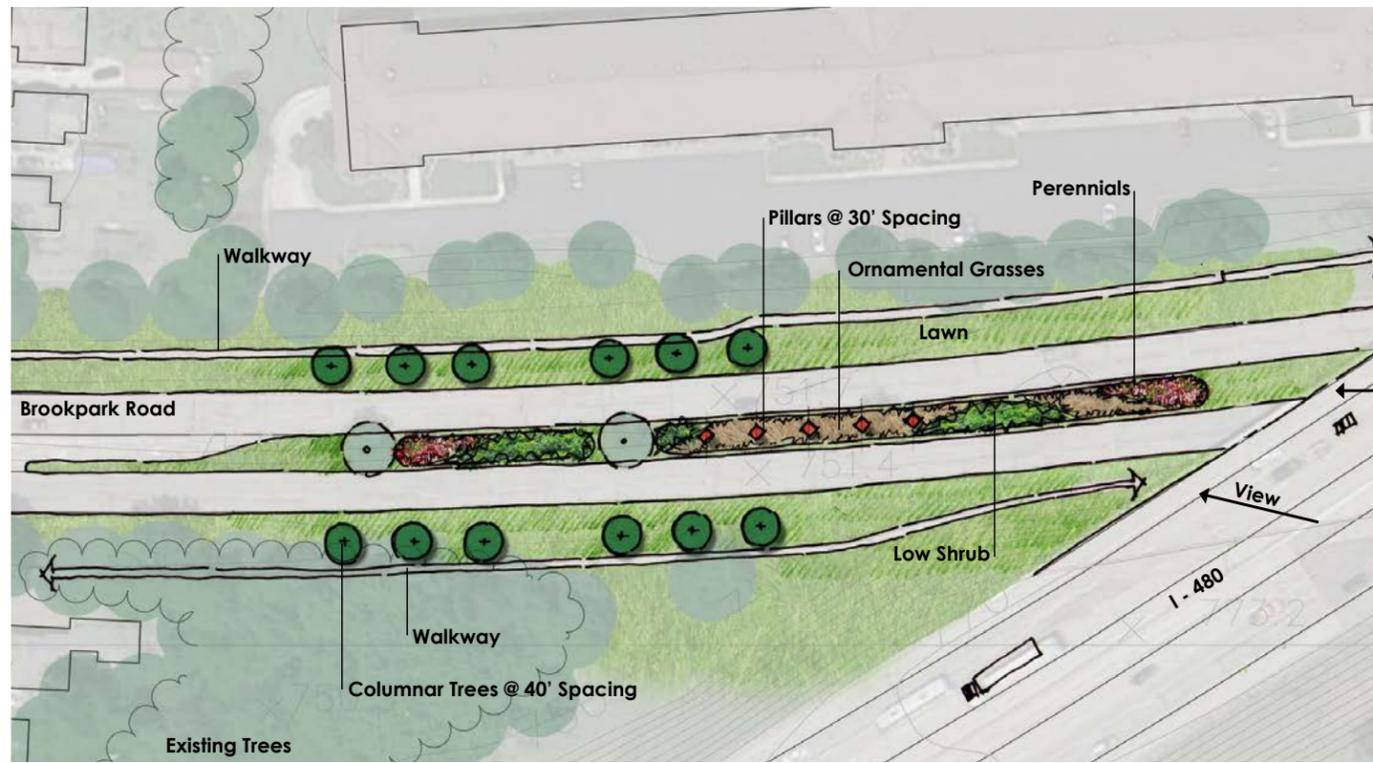
Break-away supports



Interior painted vibrant brand color in contrast to exterior color

Internal supports

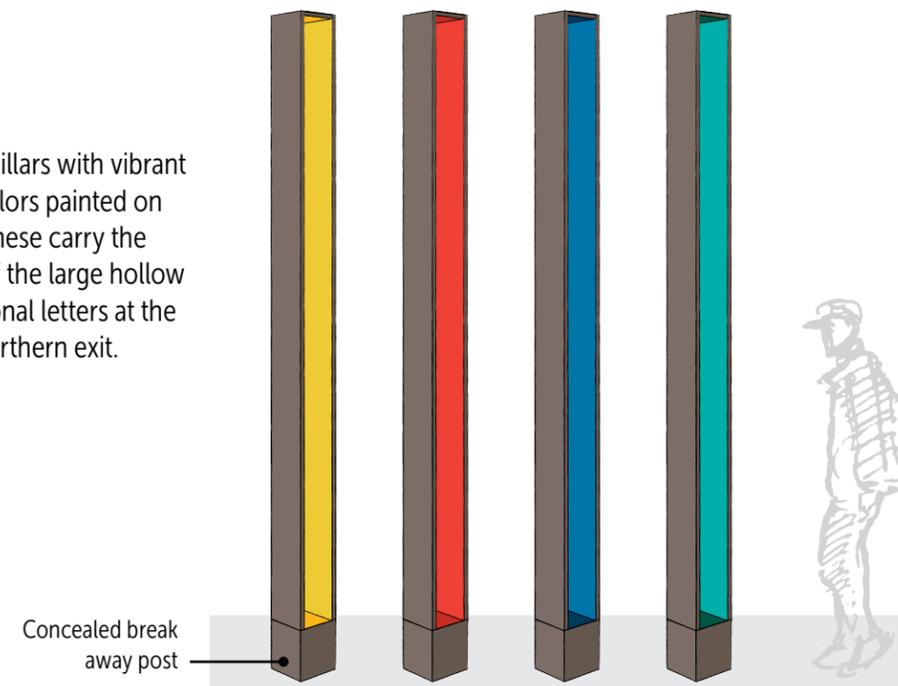
Vehicular Experience – Brookpark Road Boulevard



Maintenance is key to the appearance of the landscaping and other gateway elements



Hollow pillars with vibrant brand colors painted on inside. These carry the theme of the large hollow dimensional letters at the Great Northern exit.



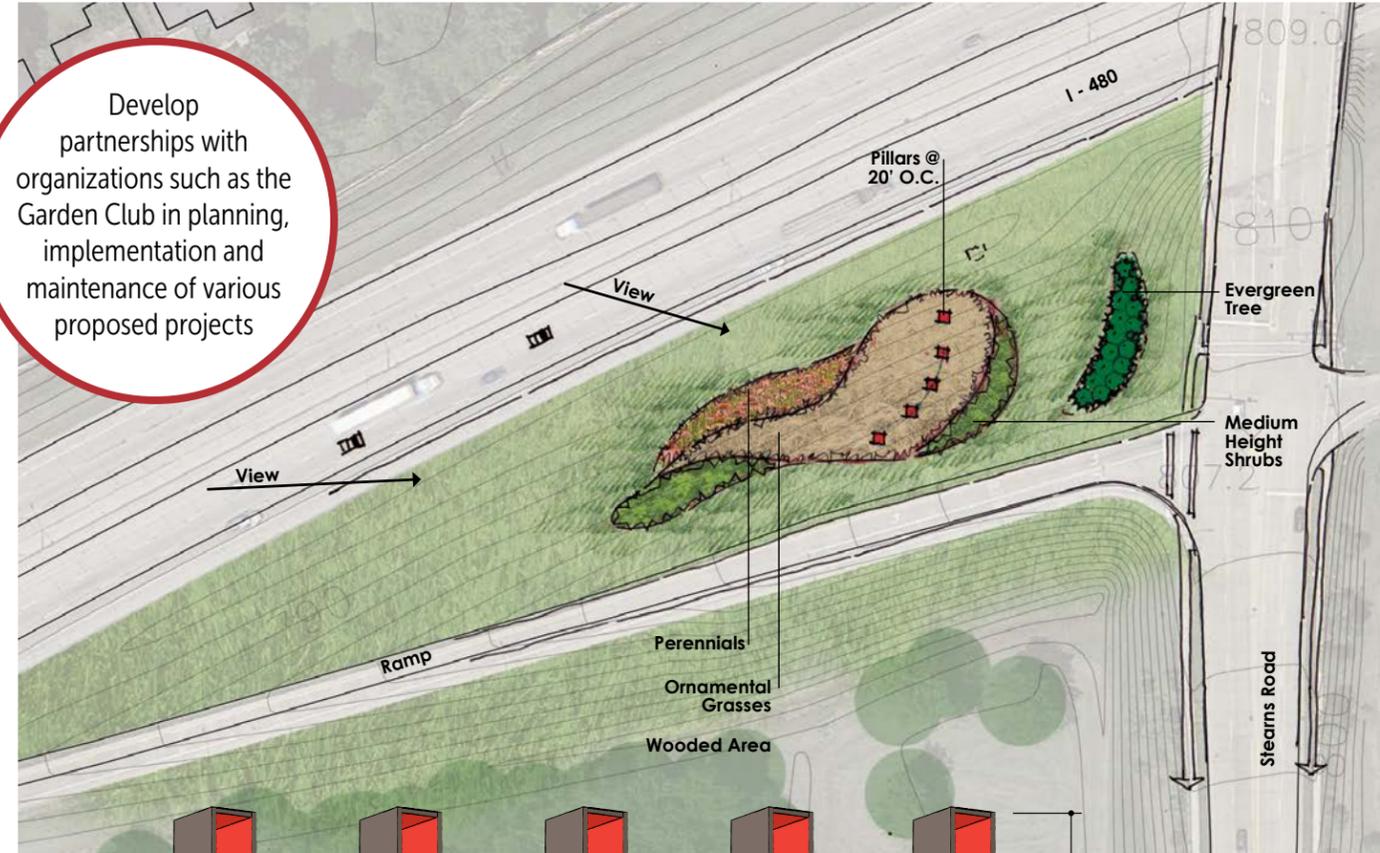
Alternate paint scheme with brand colors.



Pillars optionally illuminated for dramatic look at night.

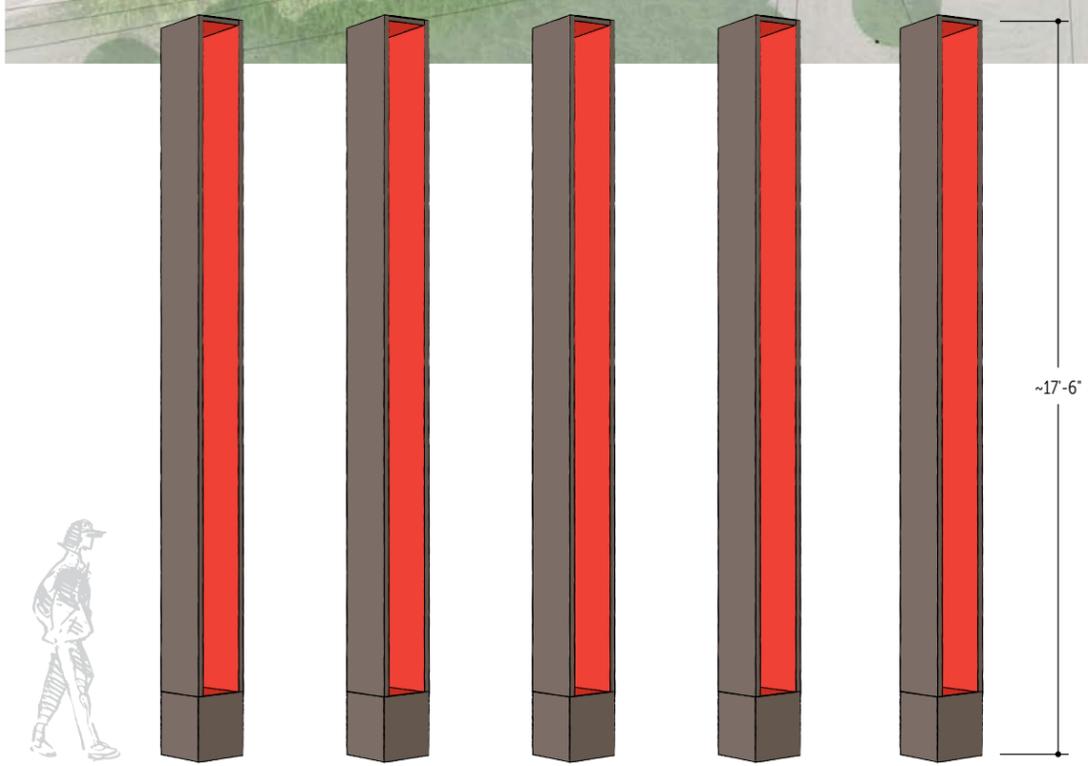
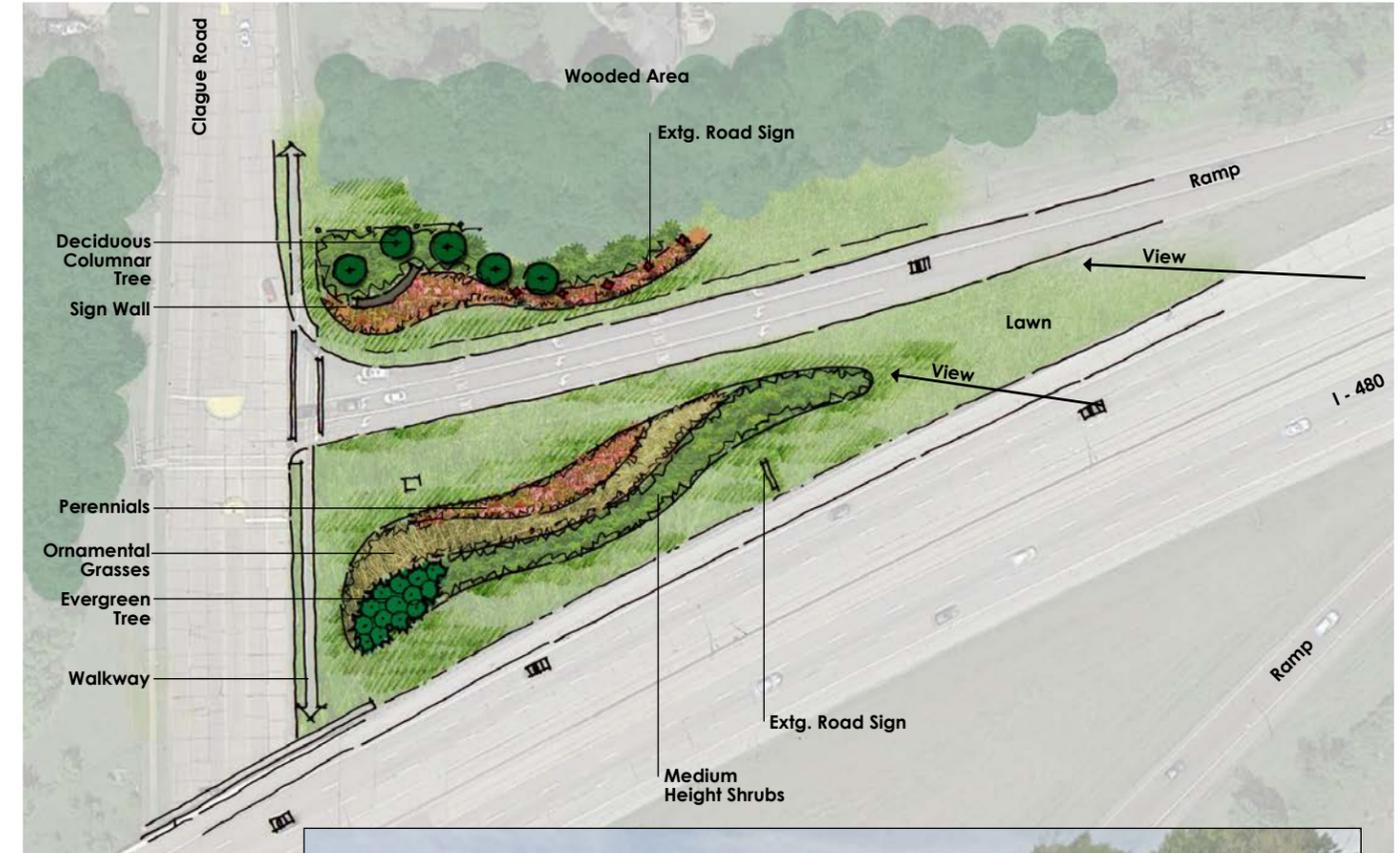
Vehicular Experience – Clague Road and Stearns Road Gateways

Traveling Eastbound on I-480 at Stearns Road

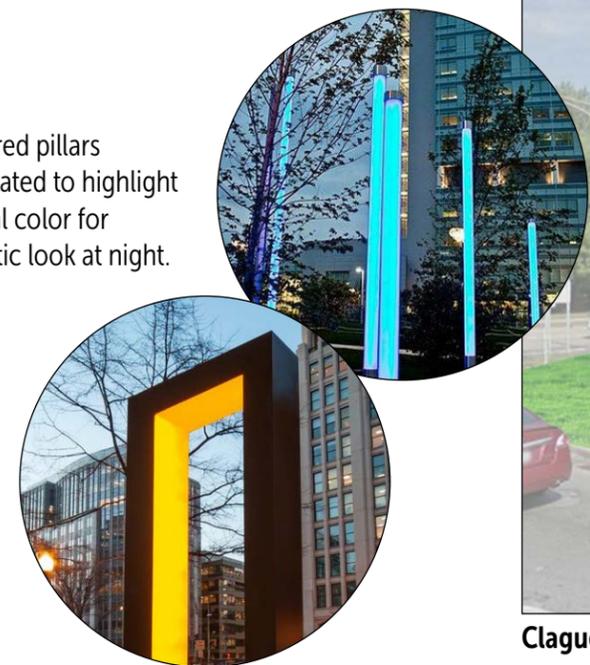


Develop partnerships with organizations such as the Garden Club in planning, implementation and maintenance of various proposed projects

Traveling Westbound on I-480 at Clague Road



Clustered pillars illuminated to highlight internal color for dramatic look at night.



Clague Road Westbound Exit Ramp looking North

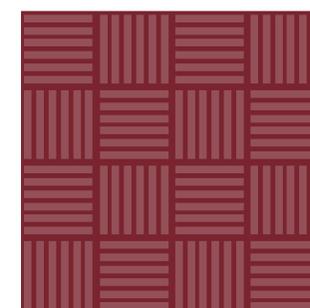
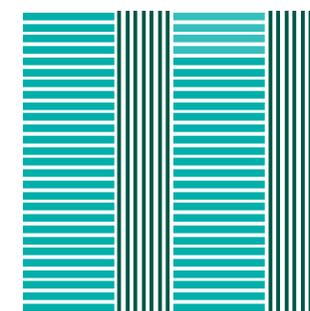
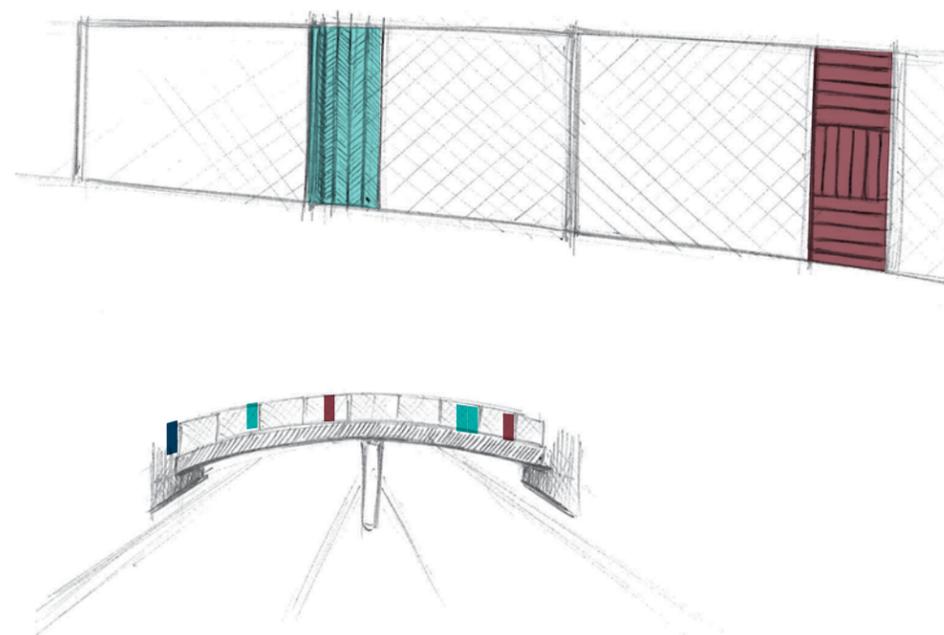
Vehicular Experience – Pedestrian Overpasses and Buttress Walls

Pedestrian Overpass Buttress Walls, current conditions

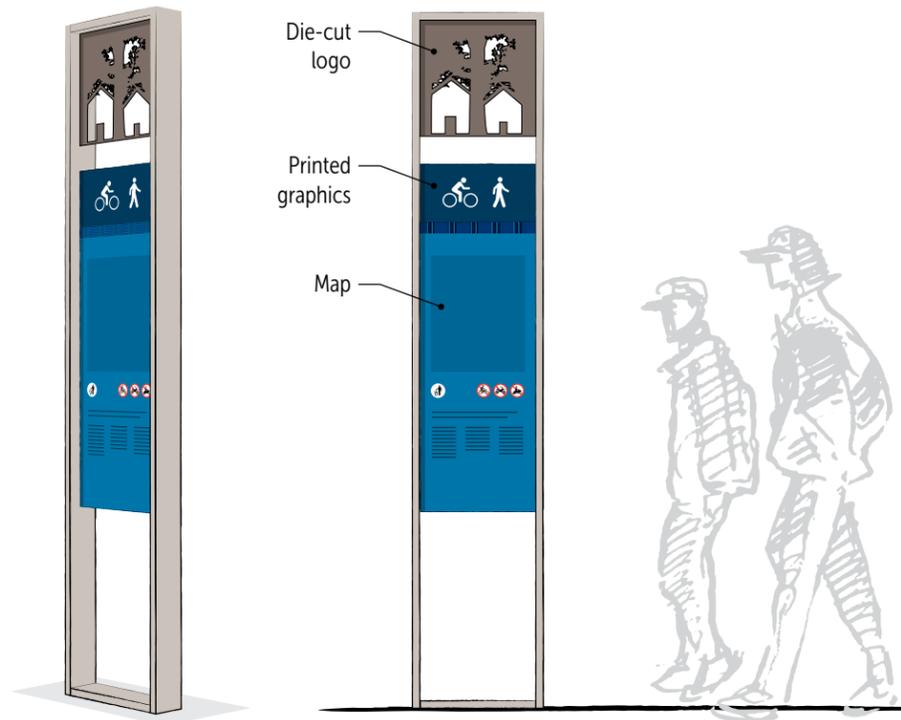
Connecting Sutton Drive and Bretton Ridge Drive



Areas for public art along pedestrian bridge. Mural ideal for application on concrete buttresses. The fencing on the pedestrian bridges could be enhanced with use of brand patterns and colors.

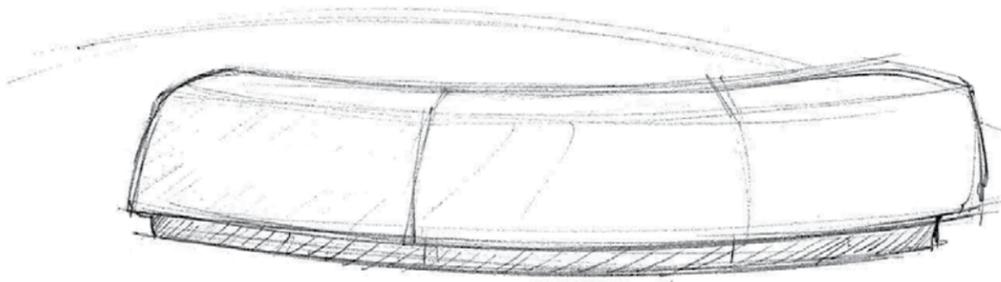


Pedestrian Experience – Great Northern Boulevard Trailhead

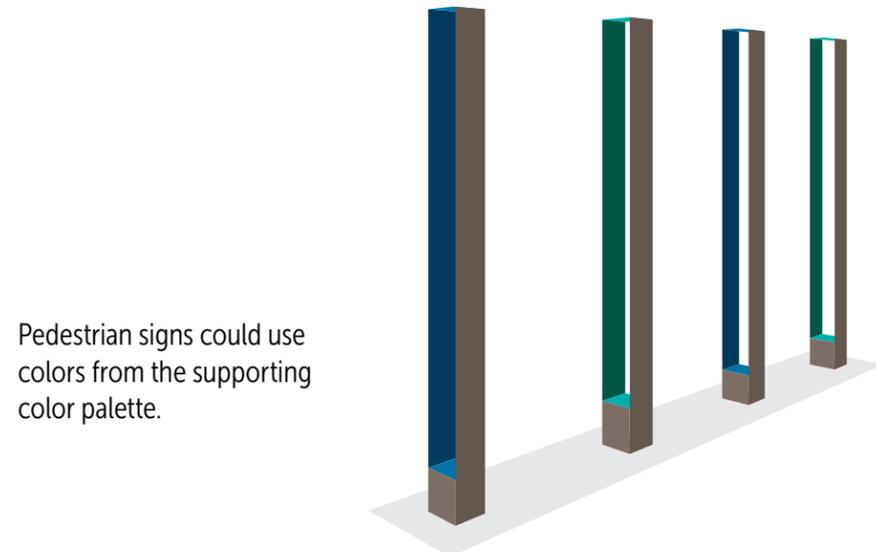


Die-cut logo
Printed graphics
Map

Primary trailhead signs for identification and additional information.



Install custom bike racks, both as an art element and a service to riders along the bike path

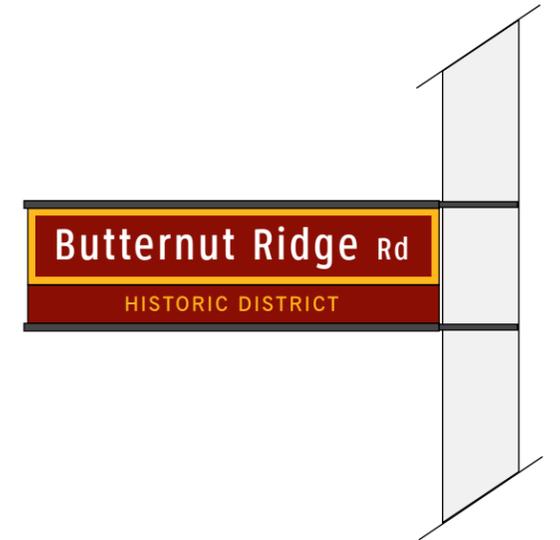


Pedestrian signs could use colors from the supporting color palette.

Butternut Ridge Historic District Gateways and Enhancement

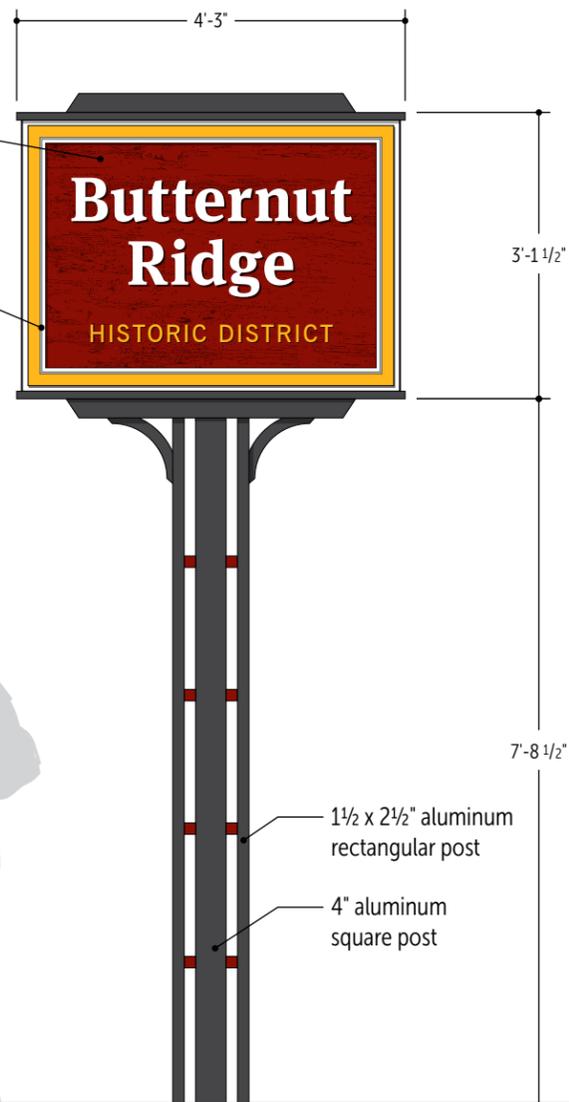


Architectural details and colors inspired from surrounding homes & buildings

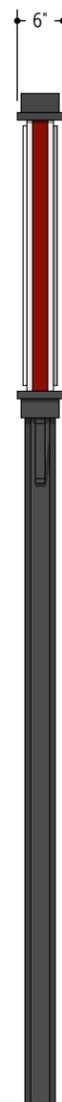


High density urethane foam sign face, grain texture background with raised letters

Recessed groove



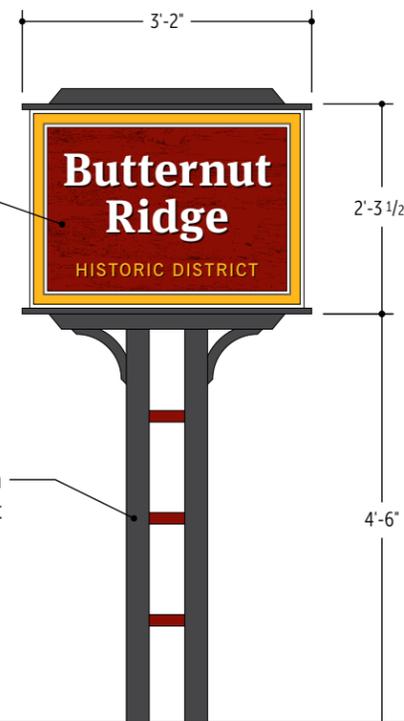
A: PRIMARY GATEWAY FRONT
ELEVATION: SCALE: 1/2" = 1'



A: PRIMARY GATEWAY SIDE

Sign face to match primary gateway

3" aluminum square post



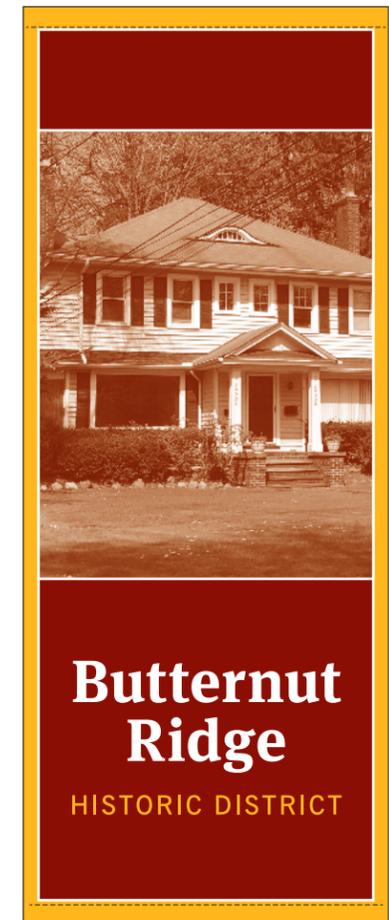
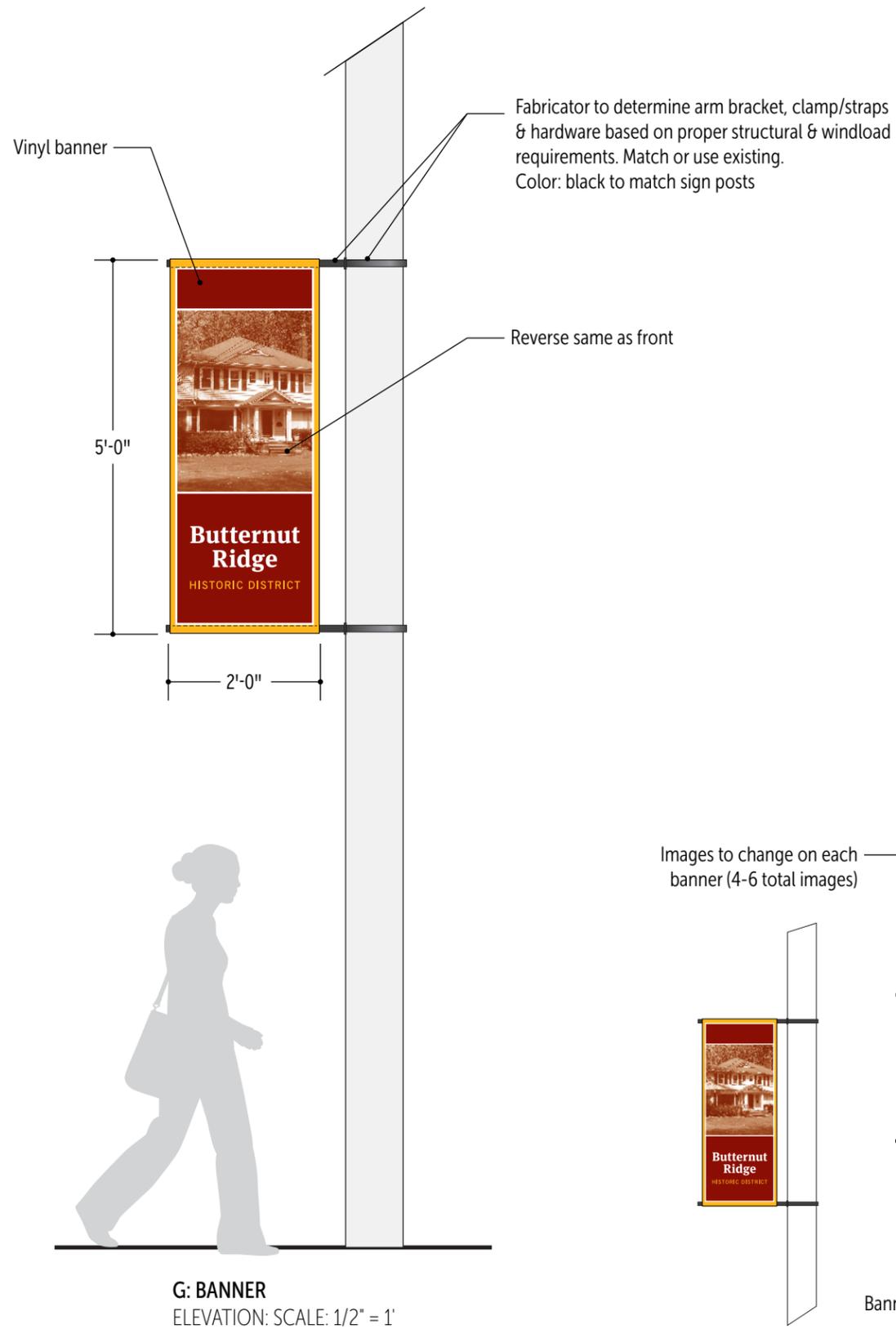
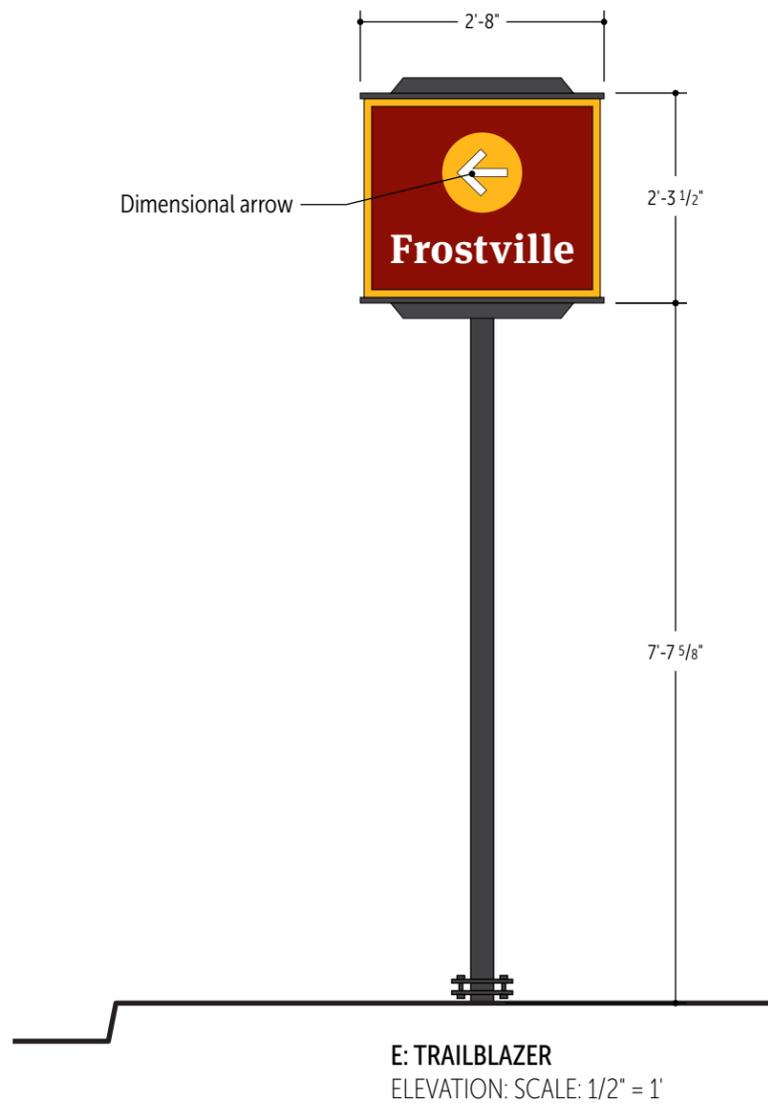
B: SECONDARY GATEWAY
ELEVATION: SCALE: 1/2" = 1'



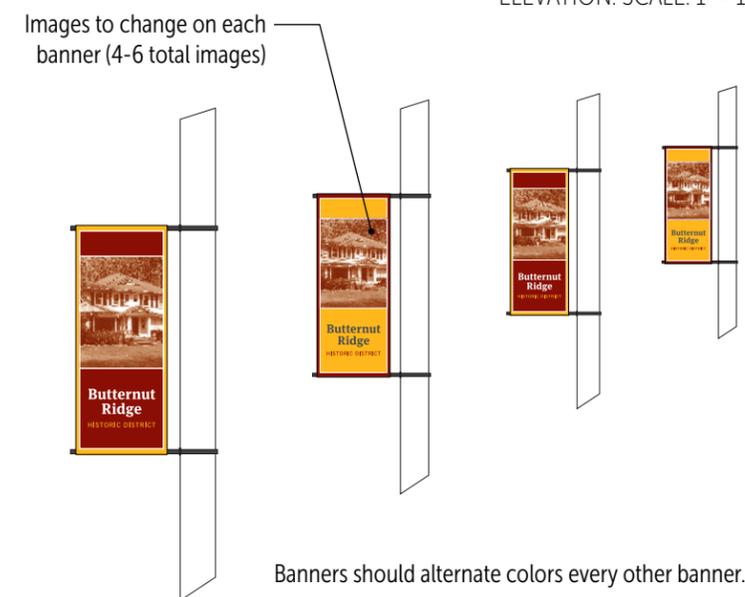
F: STREET SIGN – FLAG MOUNTED
ELEVATION: SCALE: 1/2" = 1'

Butternut Ridge Historic District Gateways and Enhancement

Coordinate signage and wayfinding improvements in the Historic District with the themes developed in the Gateways Plan



G: BANNER
ELEVATION: SCALE: 1" = 1'

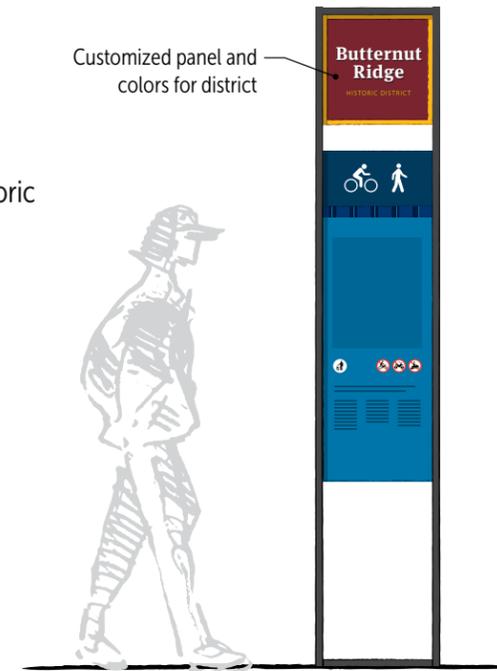


Pedestrian Experience – Butternut Ridge Road Trailhead and Pocket Park

Trailhead



Signs use Butternut Ridge Historic District design elements.



Consider adding seating/benches at Butternut Ridge and Coe cemeteries

Public art element examples



Consider extending idea to other vacant lots within city e.g. Ranchview

Look for opportunities to expand the bike path to make additional bicycle and pedestrian connections, especially to schools

Pocket Park
Creates an opportunity to linger in the historic district, a place for interpretive signage, pedestrian/bike amenity close to the bike path.

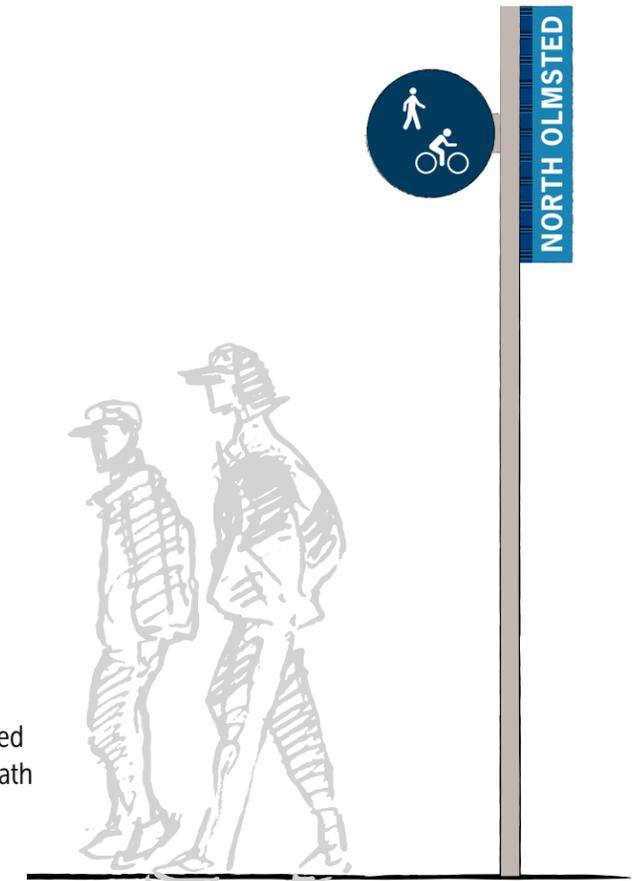


Pedestrian Experience – Pedestrian Walkway and Entry Points

Fitch Road Trail Entrance



Ensure safety is a consideration for all proposed improvements



Look at removing portions of the interior fence to reduce the confined feeling while on path

Secondary trailhead for identification at intersections. Uses brand patterns and colors for visual enhancement and recognition.

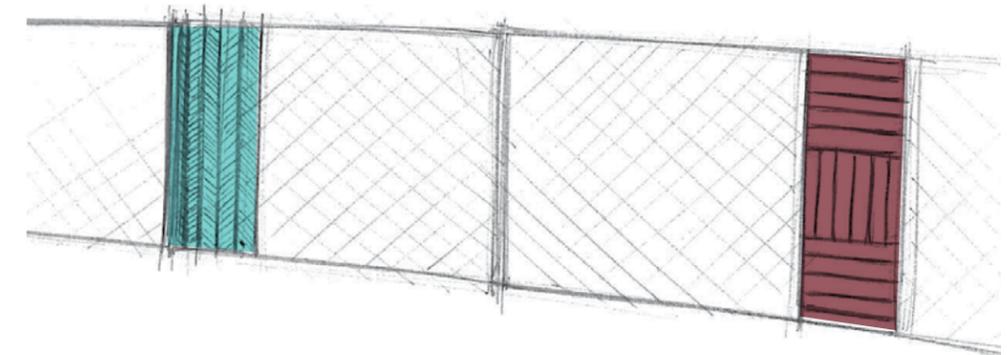
Fitch Road Entrance, current conditions



Along I-480



Fence enhancement



Opportunity Areas

Stearns Road Sound Wall Enhancement

Softens the sound wall and provides a more pleasant experience driving through.



Consider lighting of Stearns sound wall to improve aesthetics

Dover Center Road Pump Station Enhancement

Landscape screens the public utilities and fills in the street scape.



Extend pocket park enhancements to other vacant lots in the city

Additional Enhancement Areas similar to Dover Pump Station

- 1 Lebern Pump Station – 23761 LeBern Dr (SW Corner of Lebern Dr. & Clague Rd)
- 2 Bradley Pump Station – 5747 Bradley Rd
- 3 Tallwood Court – Vacant parcel between 25768 & 25820 Timber Cove

Plant Selections

Ornamental Grasses



Little Bluestem



Prairie Dropseed



Feather Reed Grass 'Karl Foerster'

Incorporate pollinator plantings either into the gateway improvements proposed or at other appropriate locations throughout the city

Pick planting materials with an eye to their appearance in the future

Trees



Sweetgum



Serviceberry



Baldcypress



Bosnian Pine

Perennials



Blazing Star



Baptisia



Stiff/Showy Goldenrod (Clumping)



Russian Sage

Shrubs



Lilac



Rugosa Rose



Juniper



Smooth Sumac

Vines



Virginia Creeper



Boston Ivy

Overall:
The selection of landscape plants for use along I-480 and North Olmsted's thoroughfares requires the ability to survive in harsh environments characterized by extremes of heat, salt contamination and drought. Proper soil preparation and maintenance are key in insuring the success of the plantings. The use of adapted, noninvasive plants, some native, with their ability to thrive in our climate allows for the best chance of success while maximizing the ecological benefit for native fauna. Plantings should be deer resistant.

Highway & Median Plantings:
These areas are characterized by curvilinear swaths of plantings within areas noted as shrubs, ornamental grasses, or perennials on the plans. The intent is to create a cost effective, low maintenance and attractive landscape. The number of species will be limited to create a uniform effect that is neat in appearance. Timing of flowering of selections should be staggered to provide attractiveness throughout the year.

Park, Trailheads & Buffers:
These areas should reflect a more traditional garden-like approach with a mix of ornamental trees, shrubs and groundcovers.

Sound Walls:
Vine selections should cling to wall or have tendrils/twinning nature that allow them to climb a cable or wire frame attached to the wall panel. Test areas should be utilized to determine most successful technique prior to broadscale implementation.

Note: Plant selections to be reviewed and approved by the owner prior to bidding and installation.

Conceptual Estimate

BID ITEM	ITEM DESCRIPTION	UNIT	EST. QUAN.	UNIT PRICE	TOTAL
Great Northern Boulevard Trailhead					
1	Pillars - 10' Tall x 7" Square	EA	5	\$5,600.00	\$28,000.00
2	Concrete Foundations	EA	5	\$1,000.00	\$5,000.00
3	Site Preparation (Incl. Fence & Walk Demo)	SY	300	\$15.00	\$4,500.00
4	Trees w/Mulch (Deciduous)	EA	4	\$500.00	\$2,000.00
5	Shrubs w/Mulch (5' O.C.)	EA	75	\$60.00	\$4,500.00
6	Perennials (Plug @ 21" O.C.)	EA	340	\$3.00	\$1,020.00
7	Native Grasses (Plug @ 21" O.C.)	EA	900	\$3.00	\$2,700.00
8	Lawn Restoration	LS	1	\$1,500.00	\$1,500.00
9	Curved Concrete Sign Wall (with Text)	LF	30	\$300.00	\$9,000.00
10	Plaza Concrete Pavement	SF	500	\$6.00	\$3,000.00
11	Trailhead Signs for Identification (Double Post)	EA	1	\$7,800.00	\$7,800.00
12	Lighting / Electrical (Optional)	LS	1	\$20,000.00	\$20,000.00
13	Design & Construction Administration (18%)	LS	1	\$16,023.60	\$16,023.60
	Sub-Total				\$105,043.60
M	Triannual Maintenance (4 Workers X 4 Hours X 3 Times Per Year)	EA	3	\$750.00	\$2,250.00
Butternut Ridge Road Trailhead					
1	Site Preparation (Incl. Walk Demo)	SY	100	\$15.00	\$1,500.00
2	Trees w/Mulch (Deciduous)	EA	5	\$500.00	\$2,500.00
3	Shrubs w/Mulch (5' O.C.)	EA	16	\$60.00	\$960.00
4	Low Shrub w/Mulch (3' O.C.)	EA	27	\$55.00	\$1,485.00
5	Perennials w/Mulch (Gallon @ 24" O.C.)	EA	87	\$18.00	\$1,566.00
6	Curved Concrete Sign Wall (with Text)	LF	30	\$300.00	\$9,000.00
7	Plaza Concrete Pavement	SF	500	\$6.00	\$3,000.00
8	Trailhead Signs for Identification (Double Post)	EA	1	\$7,800.00	\$7,800.00
9	Site Furnishings - Bike Rack, Public Art	LS	1	\$4,000.00	\$4,000.00
10	Design & Construction Administration (18%)	LS	1	\$5,725.98	\$5,725.98
	Sub-Total				\$37,536.98
M	Triannual Maintenance (4 Workers X 4 Hours X 3 Times Per Year)	EA	3	\$750.00	\$2,250.00
Pedestrian Walkway and Entry Points					
1	Site Preparation	SY	100	\$15.00	\$1,500.00
2	Trees w/Mulch	EA	1	\$500.00	\$500.00
3	Perennials w/Mulch (3 Rows at 40' x 12" c/c)	EA	30	\$12.00	\$360.00
4	Fence Enhancement w/Brand Colors (Panel)	EA	4	\$400.00	\$1,600.00
5	Shrubs w/Mulch (5' O.C.)	EA	5	\$60.00	\$300.00
6	Plaza Concrete Pavement	SF	100	\$6.00	\$600.00
7	Trailhead Signs for Identification (Single Post)	EA	1	\$2,000.00	\$2,000.00
8	Site Furnishings - Bench, Trash Can	LS	1	\$4,000.00	\$4,000.00
9	Design & Construction Administration (18%)	LS	1	\$1,954.80	\$1,954.80
	Sub-Total				\$12,814.80
M	Triannual Maintenance (2 Workers X 4 Hours X 3 Times Per Year)	EA	3	\$375.00	\$1,125.00
Butternut Ridge Road Pocket Park					
1	Site Preparation	SY	150	\$15.00	\$2,250.00
2	Trees w/Mulch	EA	9	\$500.00	\$4,500.00
3	Shrubs w/Mulch (5' O.C.)	EA	7	\$60.00	\$420.00
4	Low Shrub w/Mulch (3' O.C.)	EA	40	\$55.00	\$2,200.00
5	Perennials w/Mulch (Gallon @ 24" O.C.)	EA	81	\$18.00	\$1,458.00
6	Plaza Concrete Pavement	SF	1050	\$6.00	\$6,300.00
7	Pocket Park Sign (Double Post)	EA	1	\$7,800.00	\$7,800.00
8	Site Furnishings - Benches, Bike Racks	LS	1	\$6,000.00	\$6,000.00
9	Public Art	LS	1	\$5,000.00	\$5,000.00
10	Trellis	LS	1	\$10,000.00	\$10,000.00
11	Design & Construction Administration (18%)	LS	1	\$8,267.04	\$8,267.04
	Sub-Total				\$54,195.04
M	Triannual Maintenance (4 Workers X 4 Hours X 3 Times Per Year)	EA	3	\$750.00	\$2,250.00
Stearns Road Sound Wall					
1	Panel Section - Excavation, Topsoil, Vines, & Mulch	EA	1	\$400.00	\$400.00
Dover					
1	Site Preparation	SY	100	\$15.00	\$1,500.00
2	Trees w/Mulch (Evergreens)	EA	5	\$300.00	\$1,500.00
3	Trees w/Mulch (Deciduous)	EA	3	\$500.00	\$1,500.00
4	Shrubs w/Mulch (5' O.C.)	EA	11	\$60.00	\$660.00
5	Low Shrub w/Mulch (3' O.C.)	EA	104	\$55.00	\$5,720.00
	Sub-Total				\$10,880.00
M	Triannual Maintenance (2 Workers X 4 Hours X 3 Times Per Year)	EA	3	\$375.00	\$1,125.00

BID ITEM	ITEM DESCRIPTION	UNIT	EST. QUAN.	UNIT PRICE	TOTAL
Great Northern Boulevard Welcome (Each Ramp)					
1	Dimensional Letters - 76" Tall x 30" Deep	EA	12	\$15,100.00	\$181,200.00
2	Concrete Foundations	EA	18	\$1,000.00	\$18,000.00
3	Site Preparation - Stripping, Hauling, Grading, Topsoil, Fertilizer	SY	4000	\$10.00	\$40,000.00
4	Trees w/Mulch (Evergreens)	EA	24	\$300.00	\$7,200.00
5	Shrubs w/Mulch (5' O.C.)	EA	305	\$60.00	\$18,300.00
6	Perennials (Plug @ 21" O.C.)	EA	2400	\$3.00	\$7,200.00
7	Native Grasses (Plug @ 21" O.C.)	EA	8675	\$3.00	\$26,025.00
8	Lawn Restoration	LS	1	\$3,000.00	\$3,000.00
9	Lighting / Electrical (Optional)	LS	1	\$30,000.00	\$30,000.00
10	Design & Construction Administration (18%)	LS	1	\$59,566.50	\$59,566.50
	Sub-Total (Each Ramp)				\$390,491.50
M	Triannual Maintenance (4 Workers X 16 Hours X 3 Times Per Year)	EA	3	\$3,000.00	\$9,000.00
Brookpark Road (East of I-480 Location)					
1	Pillars - 10' Tall x 7" Square	EA	5	\$5,600.00	\$28,000.00
2	Concrete Foundations	EA	5	\$1,000.00	\$5,000.00
3	Site Preparation	SY	300	\$15.00	\$4,500.00
4	Trees w/Mulch (Deciduous)	EA	15	\$500.00	\$7,500.00
5	Shrubs w/Mulch (5' O.C.)	EA	360	\$60.00	\$21,600.00
6	Perennials (Plug @ 21" O.C.)	EA	566	\$3.00	\$1,698.00
7	Native Grasses (Plug @ 21" O.C.)	EA	1175	\$3.00	\$3,525.00
8	Lawn Restoration	LS	1	\$1,500.00	\$1,500.00
9	Lighting / Electrical (Optional)	LS	1	\$15,000.00	\$15,000.00
10	Design & Construction Administration (18%)	LS	1	\$15,898.14	\$15,898.14
	Sub-Total (East of I-480 Location)				\$104,221.14
M	Triannual Maintenance (4 Workers X 4 Hours X 3 Times Per Year)	EA	3	\$750.00	\$2,250.00
Clague Road					
1	Pillars - 17'-6" Tall x 12" Square	EA	5	\$8,400.00	\$42,000.00
2	Concrete Foundations	EA	5	\$1,000.00	\$5,000.00
3	Site Preparation	SY	300	\$15.00	\$4,500.00
4	Trees w/Mulch (Evergreens)	EA	14	\$300.00	\$4,200.00
5	Trees w/Mulch (Deciduous)	EA	5	\$500.00	\$2,500.00
6	Shrubs w/Mulch (5' O.C.)	EA	376	\$60.00	\$22,560.00
7	Perennials (Plug @ 21" O.C.)	EA	1925	\$3.00	\$5,775.00
8	Native Grasses (Plug @ 21" O.C.)	EA	1475	\$3.00	\$4,425.00
9	Lawn Restoration	LS	1	\$2,000.00	\$2,000.00
10	Lighting / Electrical (Optional)	LS	1	\$20,000.00	\$20,000.00
11	Curved Concrete Sign Wall (with Text)	LF	30	\$300.00	\$9,000.00
12	Design & Construction Administration (18%)	LS	1	\$21,952.80	\$21,952.80
	Sub-Total (Clague Rd)				\$143,912.80
M	Triannual Maintenance (4 Workers X 4 Hours X 3 Times Per Year)	EA	3	\$750.00	\$2,250.00
Pedestrian Overpasses and Buttress Walls					
1	Butress Wall Artistic Painting (30' x 20')	SF	600	\$25.00	\$15,000.00
2	Fence Enhancement w/Brand Colors (Panel)	EA	16	\$1,000.00	\$16,000.00

Consider a variety of funding options including grants, foundation support and legacy initiatives

Legend	
	Vehicle Experience
	Pedestrian Experience
	Opportunity Areas

Conceptual Estimate
Gateways Plan
 North Olmsted, Ohio