



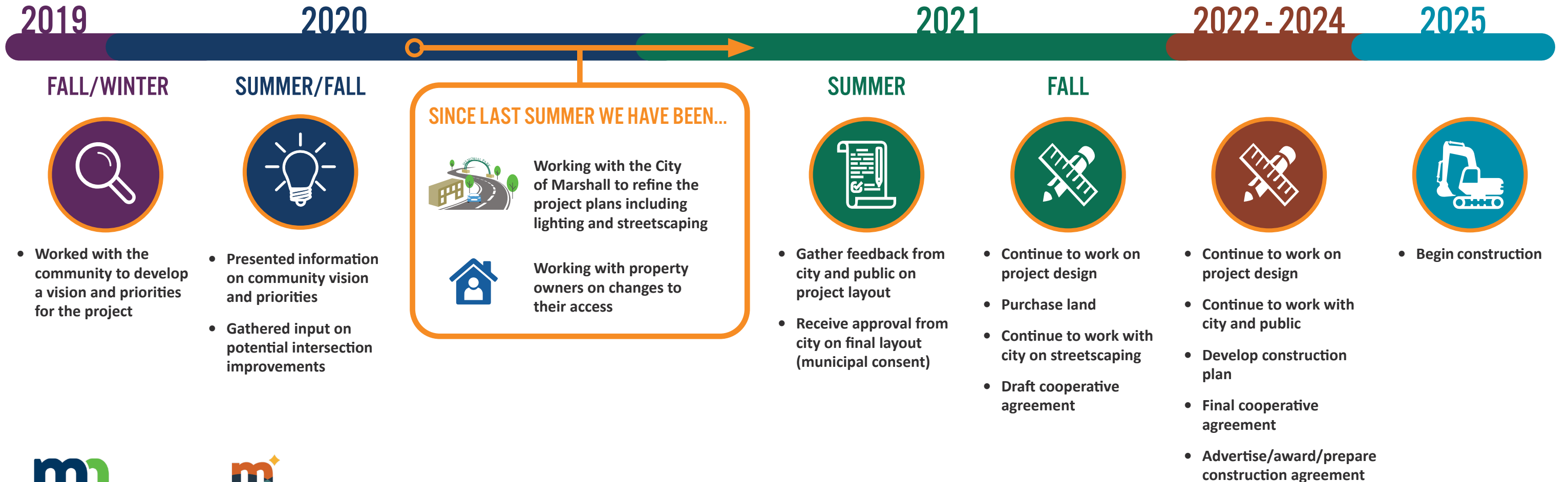
College Drive/Hwy 19 Reconstruction Project

WHAT ARE WE DOING ON COLLEGE DR/HWY 19?

MnDOT is planning to reconstruct College Drive/Hwy 19 from 4th Street to Bruce Street in 2025.

LEARN MORE

To learn more about what we heard from the community and sign up to receive project emails visit: www.mndot.gov/d8/projects/hwy19marshall



Construction Cost Estimate

MARSHALL -TH 19 TOTAL PROJECT COSTS					MNDOT TOTALS		CITY TOTALS		
Item Description	Units	Unit Cost	Quantity	Total	Quantity	Total	Quantity	Total	
PAVING AND GRADING (P & G) COSTS									
Bituminous Pavement (1)	ton	\$100.00	0	\$ -	166	\$ 16,600	0	\$ -	see Note 1
4" Concrete (Walk, Median)	sq ft	\$8.50	101,446	\$ 862,291	97,410	\$ 827,985	4,036	\$ 34,306	
4" Colored concrete (Walk, Median) (5)	sq ft	\$17.00	4,800	\$ 81,600	2,400	\$ 40,800	2,400	\$ 40,800	See Note 5
8" Concrete pavement (Truck Apron, Driveway)	sq yd	\$67.50	2,633	\$ 177,716	2,633	\$ 177,716	0	\$ -	
Concrete pavement (1)	cu yd	\$67.50	37,362	\$ 2,521,932	35,902	\$ 2,423,380	1,460	\$ 98,552	See Note 1
Supplemental Reinf Bars	pound	\$4.00	50,000	\$ 200,000	45,000	\$ 180,000	5,000	\$ 20,000	
Class 6 Aggregate Base (1)	cu yd	\$35.00	8,760	\$ 306,610	8,425	\$ 294,872	335	\$ 11,739	See Note 1
Subgrade Excavation (1)	cu yd	\$10.00	42,645	\$ 426,449	40,988	\$ 409,880	1,657	\$ 16,569	See Note 1
Common Excavation	cu yd	\$10.00	15,554	\$ 155,535	14,986	\$ 149,857	568	\$ 5,678	
Common Borrow	cu yd	\$4.00	77,768	\$ 311,071	74,929	\$ 299,715	2,839	\$ 11,356	
Select Granular Borrow	cu yd	\$25.00	42,645	\$ 1,066,121	40,988	\$ 1,024,700	1,657	\$ 41,422	
Contaminated Materials Hauling	cu yd	\$55.00	1,000	\$ 55,000	200	\$ 11,000	800	\$ 44,000	See Note 6
Bridge Approach Panels	sq yd	\$250.00	155	\$ 38,750	155	\$ 38,750	0	\$ -	
Curb and Gutter Design B424	lin ft	\$30.00	364	\$ 10,932	364	\$ 10,932	0	\$ -	
Curb and Gutter Design B624	lin ft	\$35.00	17,218	\$ 602,630	16,341	\$ 571,939	877	\$ 30,692	
(a) Subtotal Paving and Grading				\$ 6,816,638	\$ 6,461,526		\$ 355,112		
UTILITIES, REMOVALS, DRAINAGE, ETC.									
Removals/Clear and Grub		5.0%		\$ 338,082		\$ 320,470		\$ 17,612	
Signal removal (Lyon)	each		1	\$ 15,000	0.5	\$ 7,500	0.5	\$ 7,500	
City Utilities (sanitary)	lump		1	\$ 374,500		\$ -	1	\$ 374,500	
City Utilities (Watermain)	lump		1	\$ 353,900		\$ -	1	\$ 353,900	
Signing, Striping, Traffic Control		5.0%		\$ 338,082		\$ 320,470		\$ 17,612	
Dewatering		10.0%		\$ 676,164	30%	\$ 202,849	70%	\$ 473,315	
Erosion Control and Turf Establishment		3.0%		\$ 202,849		\$ 192,282		\$ 10,567	
(b) Subtotal Utilities, Removals, Drainage, Etc.				\$ 2,298,577	\$ 1,043,570		\$ 1,255,007		
DRAINAGE									
Storm Sewer				\$ 1,511,000		\$ 1,150,000		\$ 361,000	See Note 7
(c) Subtotal Drainage				\$ 1,511,000	\$ 1,150,000		\$ 361,000		
STRUCTURES/SIGNALS/MISC. COST									
Roadway Lighting (MnDOT) (2)	each	\$7,000	12.0	\$ 84,000	8.0	\$ 56,000	4.0	\$ 28,000	See Note 2
Roadway Lighting (3)	each	\$3,100	17.0	\$ 52,700		\$ -	17.0	\$ 52,700	See Note 3
Decorative Lighting (Single Assembly) (4)	each	\$4,000	17.0	\$ 68,000		\$ -	17.0	\$ 68,000	See Note 4
Decorative Lighting (Double Assembly) (4)	each	\$6,400	22.0	\$ 140,800		\$ -	22.0	\$ 140,800	See Note 4
Decorative Lighting (intersection lighting) (4)	each	\$1,600	8.0	\$ 12,800		\$ -	8.0	\$ 12,800	See Note 4
Rectangular Rapid Flashing Beacon (RRFB) (Lyon)	each	\$78,000	1.0	\$ 78,000		\$ -	1.0	\$ 78,000	
Signal System A (Saratoga)	each	\$250,000	1.0	\$ 250,000	0.5	\$ 125,000	0.5	\$ 125,000	
Signal System B (Main)	each	\$ 250,000	1.0	\$ 250,000	1.00	\$ 250,000	0.00	\$ -	
Recycle/waste receptacles	each	\$ 1,200	8.00	\$ 9,600		\$ -	8.00	\$ 9,600	
Bike loops (with city logo)	each	\$ 1,400	8.00	\$ 11,200		\$ -	8.00	\$ 11,200	
Metal street bench	each	\$ 1,200	12.00	\$ 14,400		\$ -	12.00	\$ 14,400	
(d) Subtotal Misc				\$ 971,500	\$ 431,000		\$ 540,500		
(a+b+c+d) Subtotal Construction				\$ 11,597,714	\$ 9,086,096		\$ 2,511,619		
Roadway Risk & Contingency		10.0%		\$ 1,159,771		\$ 908,610		\$ 251,162	
TMP		5.0%		\$ 579,886		\$ 454,305		\$ 125,581	
Mobilization		5.0%		\$ 579,886		\$ 454,305		\$ 125,581	
(e) Subtotal Miscellaneous				\$ 2,319,543	\$ 1,817,219		\$ 502,324		
(a+b+c+d+e) Total Construction				\$ 13,917,257	\$ 10,903,315		\$ 3,013,942		
Inflation Adjusted Construction Cost for 2025 (1.14 factor)				\$ 15,865,673	\$ 12,429,779		\$ 3,435,894		
Design & Construction Engineering		16.0%		\$ 2,226,761		\$ 1,744,530		\$ 482,231	
RW Cost									
				=			=		
Total RW				\$ -	\$ -		\$ -		
Total Estimated Cost				\$ 18,092,434	\$ 14,174,309		\$ 3,918,125		

Notes:

(1) Parking areas are included in the concrete pavement quantity, City will pay 10% of total parking area and MnDOT will pay 90%.

Assumed Pavement and Subcut Depths:

TH 19 driveway/ truck apron pavement	8 Concrete	Local Road pavement	5 bit
	6 Class 6		6 Class 6
	12 Subcut		12 Subcut
TH 19 concrete pavement	8 Concrete		
	6 Class 6		
	40 Subcut		
Walks and Medians	5 Concrete	* assumed equally split between 4" and 6"	
	6 Class 6		

(2) Country Club (4), Saratoga (4), Main St (4) - lights on local street City costs (4 for City and 8 for MnDOT)

(3) based on estimate from city in 10/6/2020 email

(4) based on estimate from city in 10/2/2020 email

(5) MnDOT to cover cost of regular concrete, City to cover cost of colored (2x the cost of regular)

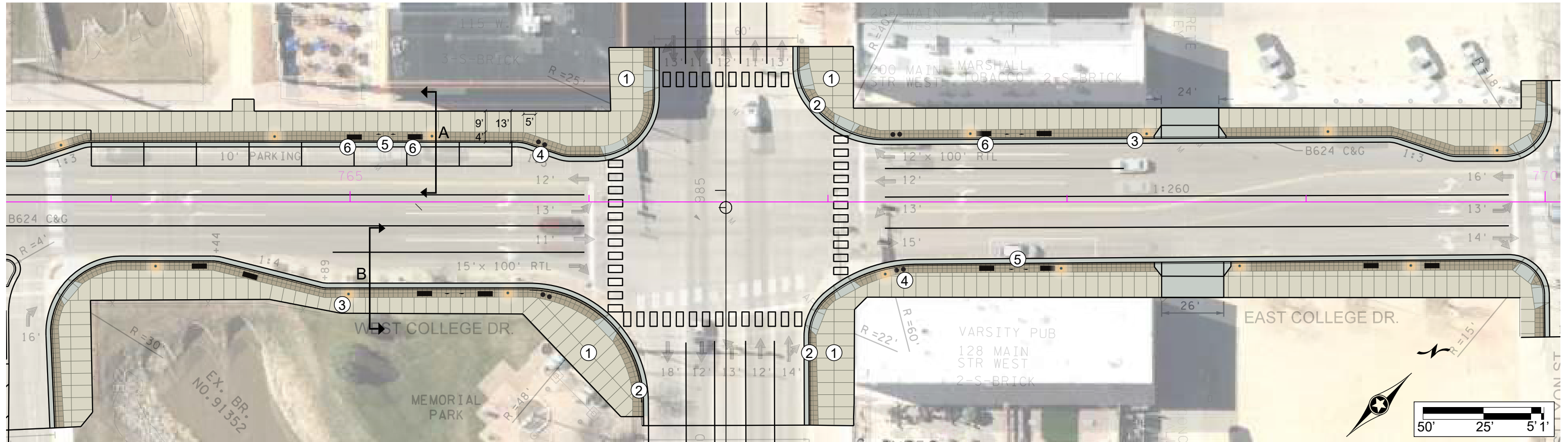
(6) Assumed 20% MnDOT cost and 80% City; quantity based on similar project amount

(7) Includes Block 11 costs under City costs - see storm summary for cost breakdown



- MnDOT Roadway
- MnDOT Sidewalk/Trail
- Shared Parking Cost (10% City Cost)
- City Approach Cost (Country Club Drive)
- City Approach Cost (2nd Street)

TH 19 Reconstruction in Marshall: Streetscape Concept



Streetscape Design Intent: Durable design, minimal to low maintenance; materials, colors and visual aesthetics complementary to Main Street TH 59 streetscape, but not a copy; cost appropriate; and limited street trees at appropriate locations (for example at Memorial Park).

- ① Pedestrian Access Route: Standard concrete, limited joints, size can fluctuate as needed against facades/doorways.
- ② Utility Zone: Colored concrete, 2'x2' squared scored panels to differentiate and visually reinforce the curb line, includes area for pedestrian scale light units, bike loops, recycle/waste receptacles, overhead street lighting units, signal cabinets, metal benches on concrete pads, moveable flower pots (per City practice), etc.
- ③ Pedestrian Scale Lighting
- ④ Recycle/ waste Receptacle
- ⑤ Bike Loop (parallel with curbline)
- ⑥ Metal Bench 6' Length

