



# MEMO

## Engineering Department

To: Board of Public Works  
From: John Neumeier, Director of Public Works / City Engineer  
Date: September 3, 2024  
Re: **Item 2a. Interstate 41 (I-41) Aesthetics Discussion and Recommendation**

### **Background information:**

Wisconsin Department of Transportation (WisDOT) has enacted a Community Sensitive Design (CSD) policy change - effective August 1. The new policy allows the I-41 project to rely on federal funds for aesthetic improvements. Outagamie County has gathered a group of regional stakeholders to come up with some regional design options. The new WisDOT policy will mean 80% of the cost for enhanced design features will be covered by Federal funds, 20% by local municipalities.

### **Strategic Plan:**

The enhanced design aspects will make the gateways to our city from I-41 more welcoming and provide a good first impression to visitors.

### **Budget:**

The City had earmarked funds for up to \$100,000 previously in the 5-year Capital Plan for work along the corridor, now the projects are estimated to have an impact of about \$36,000.

### **Staff Recommendation:**

Support the use of local funds to implement aesthetic enhancements to I-41 corridor bridges with design elements discussed.

# PROJECT AESTHETICS: Bridges and Retaining Walls

I-41 Project | Outagamie and Brown Counties, Wisconsin



COLOR MIX #1:

## US 41

Colors based off of those used on US 41.



AMS STANDARD 595A EQUIVALENT:



## BRIDGE #1



ROAD NAME BLOCK



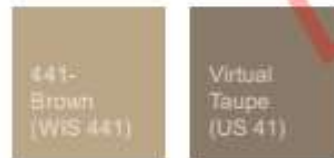
## RETAINING WALL #1



COLOR MIX #2:

## 41+441

Colors based off of US 41 and WIS 441.



AMS STANDARD 595A EQUIVALENT:



## BRIDGE #2



ROAD NAME BLOCK



## RETAINING WALL #2



# PROJECT AESTHETICS: Noise Barriers

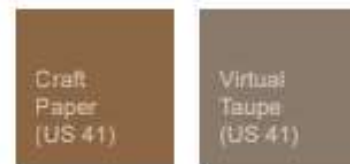
I-41 Project | Outagamie and Brown Counties, Wisconsin



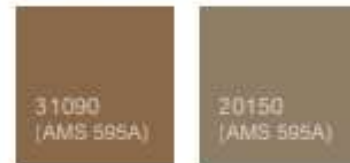
COLOR MIX #1:

## US 41

Colors based off of those used on US 41.



AMS STANDARD 595A EQUIVALENT:



## BASKET WEAVE NOISE BARRIER #1



## ASHLAR NOISE BARRIER #1



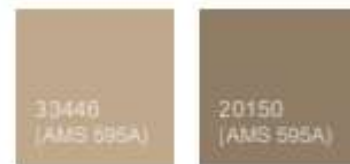
COLOR MIX #2:

## 41+441

Colors based off of US 41 and WIS 441.



AMS STANDARD 595A EQUIVALENT:



## BASKET WEAVE NOISE BARRIER #2



## ASHLAR NOISE BARRIER #2



# Prior Local Feedback- Fence Silhouettes

From WisDOT:

May serve a similar function to a medallion

May be more flexible to add to already built bridges

Likely less expensive than medallions



**Outagamie County Structure Staining Cost Summary**

Assumed Staining Cost (\$/SF) = **\$2.50**

<b>Bridges</b>												
Structure Number	Location	Scheduled Construction Year	Staining Area (SF)		Total Staining Cost	Local Cost (20%)	Muni Cost (10%)	Assumed Municipalities	Staining Visible from I-41 Mainline?	Cost Agreement in Place Timeframe	Estimated Billing Construction Season	Comments
B-44-0333	CTH CC (Rose Hill Road)	2025	7,816		\$19,540	\$3,908	\$1,954	City of Kaukauna	Y	2/1/2025	2026	Timeframe assumes done under Buchanan project but could be under a later mainline contract
B-44-0334	STH 55 (Delanglade Street)	2026	6,200		\$15,500	\$3,100	\$1,550	City of Kaukauna	N	2/1/2026	2027/2028	
B-44-0335	STH 55 (Delanglade Street)	2026	6,200		\$15,500	\$3,100	\$1,550	City of Kaukauna	N	2/1/2026	2027/2028	
B-44-0336	Maloney Road	2026	8,916		\$22,290	\$4,458	\$2,229	City of Kaukauna	N	2/1/2026	2027/2028	
B-44-0337	Maloney Road	2026	9,032		\$22,579	\$4,516	\$2,258	City of Kaukauna	N	2/1/2026	2027/2028	
B-44-0338	CTH J	2026	7,388		\$18,470	\$3,694	\$1,847	City of Kaukauna	Y	2/1/2025	2026	Timeframe assumes done under Buchanan project but could be under a later mainline contract
<b>Bridges Totals =</b>			<b>324,890</b>		<b>\$812,224</b>	<b>\$162,445</b>	<b>\$81,222</b>					
							<b>CITY TOTAL FUNDS</b>		<b>\$11,388</b>			

<b>Retaining Walls</b>												
Structure Number	Location	Construction Year	Staining Area (SF)		Total Staining Cost	Local Cost (20%)	Muni Cost (10%)	Assumed Municipalities	Staining Visible from I-41 Mainline	Cost Agreement in Place Timeframe	Estimated Billing Construction Season	Comments
R-44-0050	CTH J	2026	1,660		\$4,150	\$830	\$415	City of Kaukauna	N	2/1/2025	2026	Timeframe assumes done under Buchanan project but could be under the later mainline contract
R-44-0051	CTH J	2026	2,120		\$5,300	\$1,060	\$530	City of Kaukauna	N	2/1/2025	2026	
<b>Retaining Wall Totals =</b>			<b>222,356</b>		<b>\$555,890</b>	<b>\$111,178</b>	<b>\$55,589</b>					
							<b>CITY TOTAL FUNDS</b>		<b>\$945</b>			