

SUBJECT: AMENDMENT #1 TO THE 2023 PAVEMENT MARKING CONTRACT

DATE: OCTOBER 17, 2023

PRESENTED BY: KURT KOWAR, PUBLIC WORKS DEPARTMENT

SUMMARY:

On September 5, 2023 City Council approved the award of the 2023 Pavement Marking Project to **Kolbe Striping, Inc.** in the amount of \$200,000. Staff is recommending an additional \$250,000 be added to the contract to allow for additional traffic calming projects on two City Streets as described below. Additional funds recommended in this communication fall within existing unused 2023 paving budgets and contingency and do not represent an increase to currently approved overall budget.

Polk/Dahlia Corridor

Council has previously directed staff to develop solutions for mitigating speeding and improve the comfort and safety for pedestrians and bikes using the Polk/Dahlia corridor.

Staff recently installed speed cushions at three locations to reduce speeds along the corridor. While speed cushions have reduced vehicle speeds, staff continue to work toward solutions to improve comfort for cyclists and pedestrians.

This corridor is currently serving the community as a collector street with residential homes, driveways, and on-street parking contributing to a mix of vehicles, pedestrians, and cyclists.

There are currently no defined bike lanes along this corridor and cyclists must share the road with vehicles. This leads to multiple conflict points and bikes moving in and out of the parking aisles when space allows as well as vehicles regularly passing bikes by illegally going over the double yellow centerline. To summarize, the existing lane markings do not prioritize bikes or pedestrians and vehicle behavior regularly ignores the current lane markings.

The existing road width is not wide enough to accommodate on street parking, normal bike lanes, and a normal thru lane in either direction.

To work within the built constraints of the corridor staff is recommending the implementation of Advisory Bike lanes. This approach has been utilized in over 30 locations across the United States. It has been regionally implemented in Boulder (Harvard Lane between Dartmouth Avenue and Bear Creek Greenway) and Fort Collins (E. Pitkin Street from South College Avenue to Stover Street). Advisory Bike Lanes

maintain the shared road scenario but eliminate the center yellow line. It gives cyclists a “dashed” priority bike lane, maintains parking on both sides, and allows for drivers to safely move around cyclists if traffic in the opposite direction allows. It also allows for drivers to safely travel behind cyclists in the shared bike lane until traffic moving in the opposite direction clears. This change will provide for more predictable cyclist behavior while also allowing vehicles to legally pass cyclists.

The Harvard Lane Project in Boulder (installed fall of 2014) found the new markings resulted in fewer cyclists riding in the center of the road and more drivers yielding to other vehicles and cyclists. Total crashes, travel speeds, and demographics were unchanged from the prior conditions.

Fort Collins installed advisory bike lanes with success in 2022 along a similar type of neighborhood corridor:



The Polk/Dahlia corridor is within the traffic volume, speed, and usage type for Advisory Lane design guidelines.

Staff also plans the addition of an asphalt table top style pedestrian crossing on the south side of the 4-way intersection at Madison Avenue.

Staff estimates the cost of implementing the advisory bike lane striping at \$55,900. Additional signage and public education exhibits are estimated at approximately \$15,000.

Alternatives explored along the corridor were additional bump outs or pedestrian median refuges which were going to cost upwards of \$500,000 for two crossing locations and would not provide for prioritization of bicycles. The Advisory Lane approach is significant less cost and provides a complete street solution.

City Staff will monitor the performance and safety of this installation over the next several years.

In the event this improvement does not provide the levels of service, comfort, or outcome desired by the public the Polk/Dahlia corridor is planned for repaving in the next several years. The street can be reconfigured back to its original form or reconfigured in a different form at that time.

It has been emphasized by City Council and the Public that there is a desire to rethink how we view the safety on our roads and this improvement is providing a solution that has been designed for this scenario. Continuing to provide infrastructure the same way will continue to provide the same results. This solution provides the paradigm shift that the public and City Council have requested to be explored.

Via Appia Corridor

In 2022 the City envisioned improvements to the Via Appia corridor in similar fashion as Pine and Cherry Street have been modified. These improvements incorporate safety recommendations from the Transportation Master Plan (TMP), provide for improved pedestrian crossings and buffered bike lanes. Staff has unsuccessfully applied for DRCOG TIP funding on multiple occasions to fund the complete vision, which includes new striping, major intersection ramp modifications, and improved mid-block ramp concrete islands and bump outs. The total estimated of those hardscape and striping improvements was approximately \$3 million dollars. When the Marshall Fire impacted the City these improvements were delayed for other priorities during the 2022 budget discussions.

Via Appia is currently scheduled to be striped as part of the 2023 Pavement Marking Project. Staff have re-envisioned the project in this area to achieve the TMP goals through striping only. This will allow the City to implement a large project from the TMP vision, eliminating right-turn pockets, creating a buffered bike lane, and reducing the thru lanes to one lane in each direction.

Staff estimates the cost of implementing the Via Appia striping improvements at \$147,600 and changes to existing signage for \$20,000.

SUBJECT: AMENDMENT #1 FOR: 2023 PAVEMENT MARKING PROJECT**DATE: OCTOBER 17, 2023****PAGE 4 OF 5****FISCAL IMPACT:**

Staff is requesting a budget adjustment (increase) of \$250,000 for the striping contract. Staff has identified approximately \$306,000 of unused funding from the 2023 Paving Program (301312-660012).

A summary of accounts is as follows:

301312-660012 - 2023 Paving Program	Award Date	Total Amount
Concrete Replacement (Triple M)	March 7, 2023	\$ 1,524,469.95
Resurfacing Contract (Metro Pavers)	April 4, 2023	\$ 2,193,212.78
Emergency Patching (MPC)	April 4 and June 6	\$ 294,815.08
Rocksol Inspections	April 4, 2023	\$ 20,000.00
Geotechnical (AG Wassenaar)	March 7, 2023	\$ 106,300.00
Program Drafting (Otak)	September 19, 2023	\$ 69,644.00
Misc Expenses	N/A	\$ 21,656.68
Total Expenses		\$ 4,230,098.49
Total Budget		\$ 4,536,000.00
Unencumbered 2023 Budget		\$ 305,901.51
101431-550140 (2023 Striping Account)		
Striping Contract (Kolbe)	September 5, 2023	\$ 200,000.00
Additional Authorization	This Communication	\$ 250,000.00
Total Striping Expenses		\$ 450,000.00
Total Striping Budget		\$ 200,000.00
Striping Budget Addl Need		\$ (250,000.00)
301312-660012 Credit to Capital Fund	This Communication	\$ 305,901.51
101431-550140 Striping Account Increase	This Communication	\$ (250,000.00)
Net Capital Fund Increase		\$ 55,901.51

SCHEDULE:

Pavement marking from this change will occur this fall (November – December).

PROGRAMS/SUB-PROGRAM IMPACT:

The 2023 Pavement Marking Project supports the Transportation-Infrastructure Maintenance goal of providing a safe, well-maintained effective and efficient multimodal transportation system at a reasonable cost.

RECOMMENDATION:

Staff recommends City Council authorize staff to execute change orders up to \$250,000 to the 2023 Pavement Marking Project with **Kolbe Striping, Inc.** and increase the total budget to **\$450,000** and authorize the City Manager, Public Works Director, and City Clerk to sign and execute contract documents on behalf of the City.

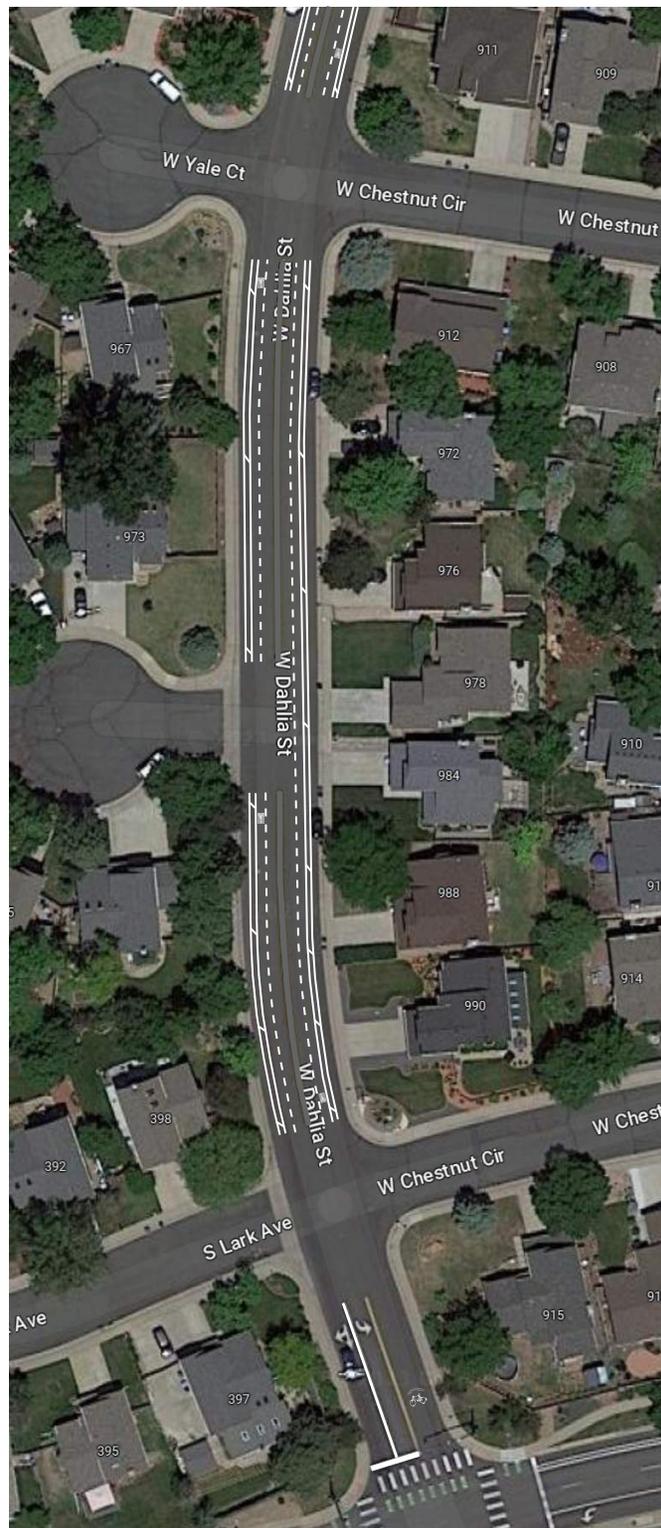
CITY COUNCIL COMMUNICATION

ATTACHMENT(S):

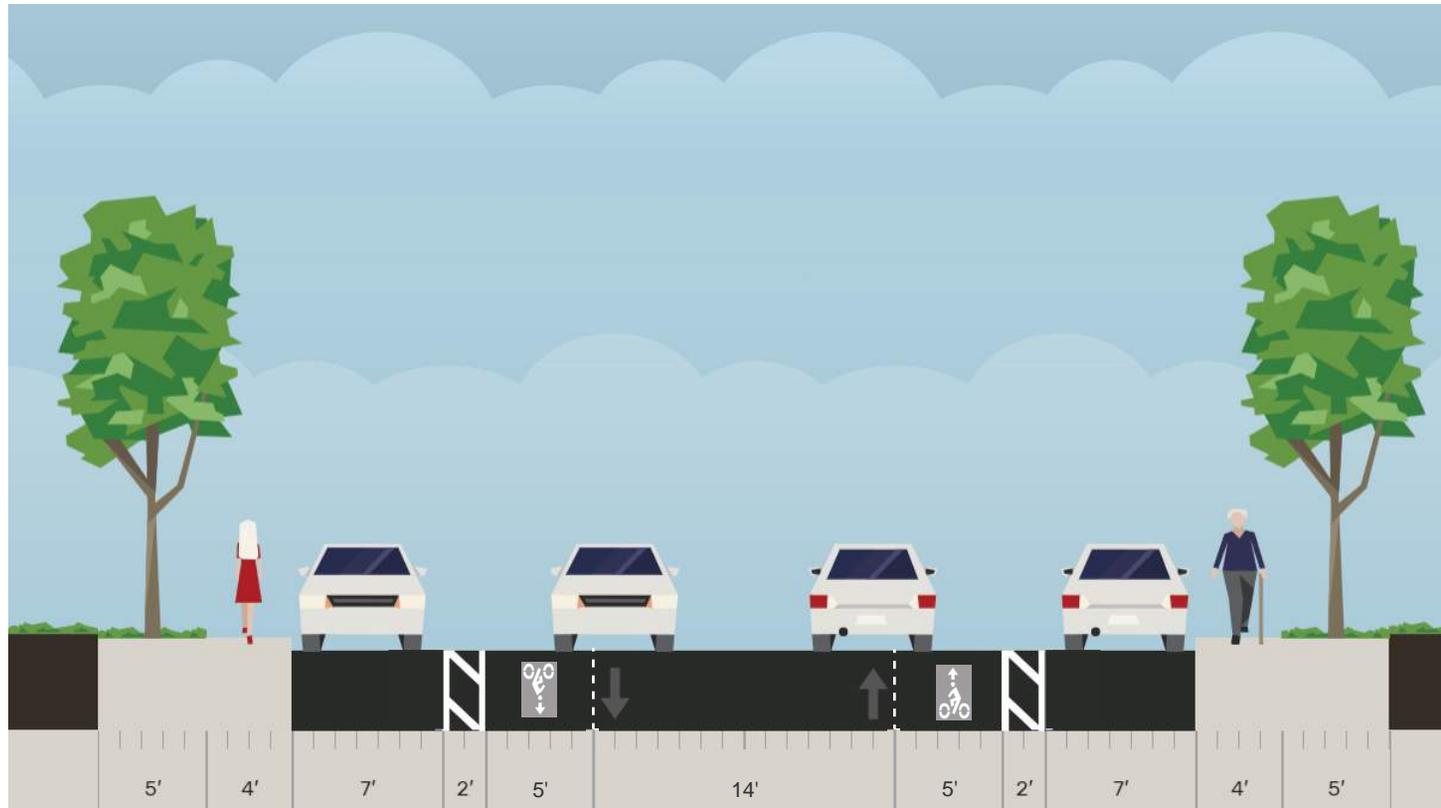
- 1. Polk/Dahlia Corridor Striping Plan and Estimate
- 2. Via Appia Corridor Striping Plan and Estimate

STRATEGIC PLAN IMPACT:

<input checked="" type="checkbox"/>	 Financial Stewardship & Asset Management	<input checked="" type="checkbox"/>	 Reliable Core Services
<input type="checkbox"/>	 Vibrant Economic Climate	<input checked="" type="checkbox"/>	 Quality Programs & Amenities
<input type="checkbox"/>	 Engaged Community	<input type="checkbox"/>	 Healthy Workforce
<input type="checkbox"/>	 Supportive Technology	<input type="checkbox"/>	 Collaborative Regional Partner







Parking lane width includes 2' gutter

Polk/Dahlia Advisory Bike Lane Estimated Costs

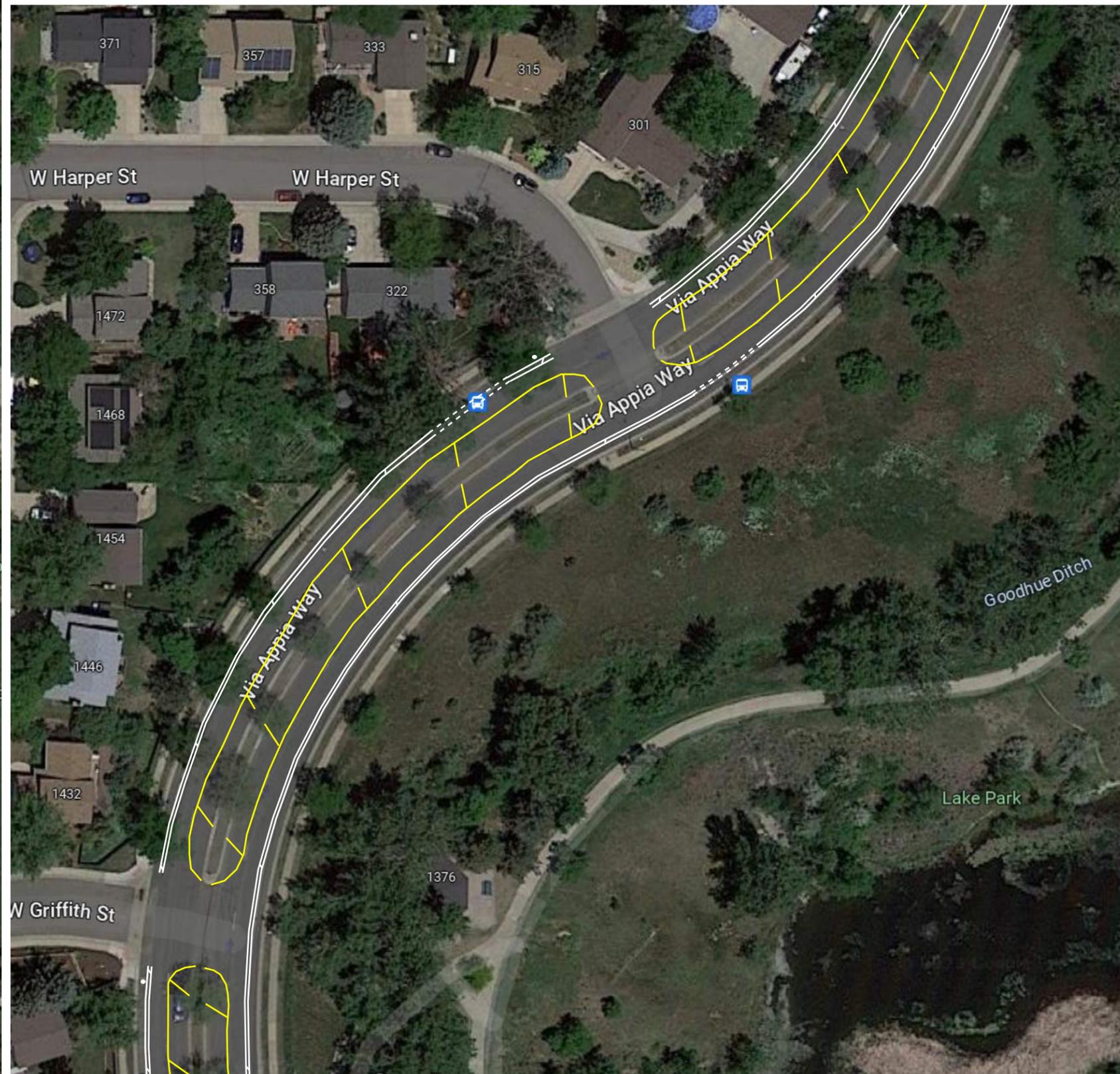
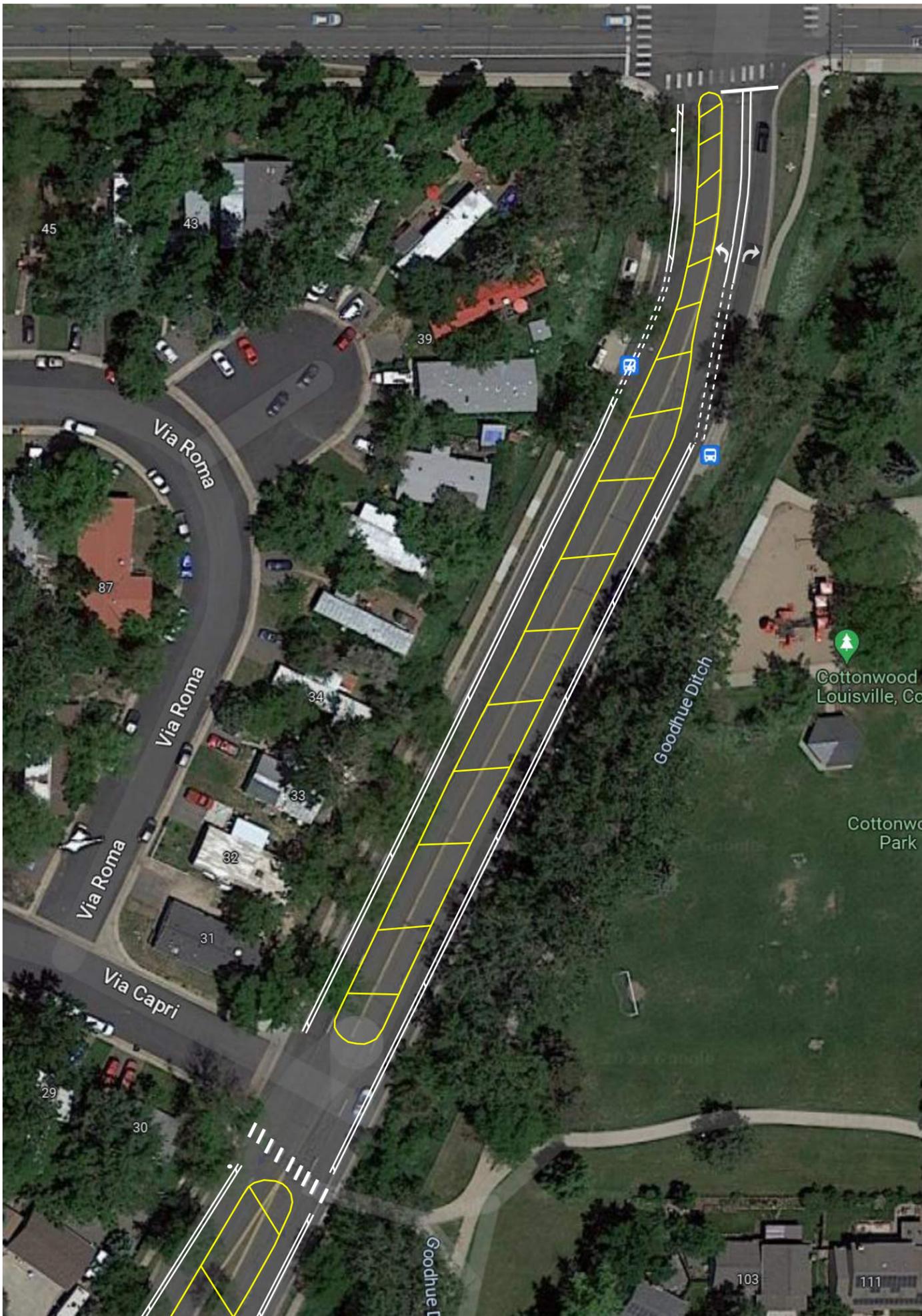
Item	Description	Unit	Quantity	Unit Price	Total
1	Epoxy 8" White	SF	147	\$ 1.55	\$ 227.33
2	Epoxy 4" White	SF	4,733	\$ 1.55	\$ 7,336.67
3	Epoxy 4" White Hatch 45 Deg @ 20' Spacing	SF	510	\$ 6.00	\$ 3,060.00
4	Epoxy 4" Skip White (2" - 6")	SF	2,715	\$ 1.55	\$ 4,208.25
5	Remove 4" Pavement Markings	SF	2,293	\$ 4.00	\$ 9,173.33
6	Thermoplastic Pavement Marking (Crosswalk-Stop Bar)	SF	296	\$ 13.50	\$ 3,996.00
7	Thermoplastic Pavement Marking (Word-Symbol)	SF	135	\$ 21.00	\$ 2,835.00
8	Traffic Control	LS	1	\$5,500.00	\$ 5,500.00
9	Layout for Pavement Markings	DAY	6	\$2,400.00	\$ 14,400.00

Subtotal \$ 50,736.58

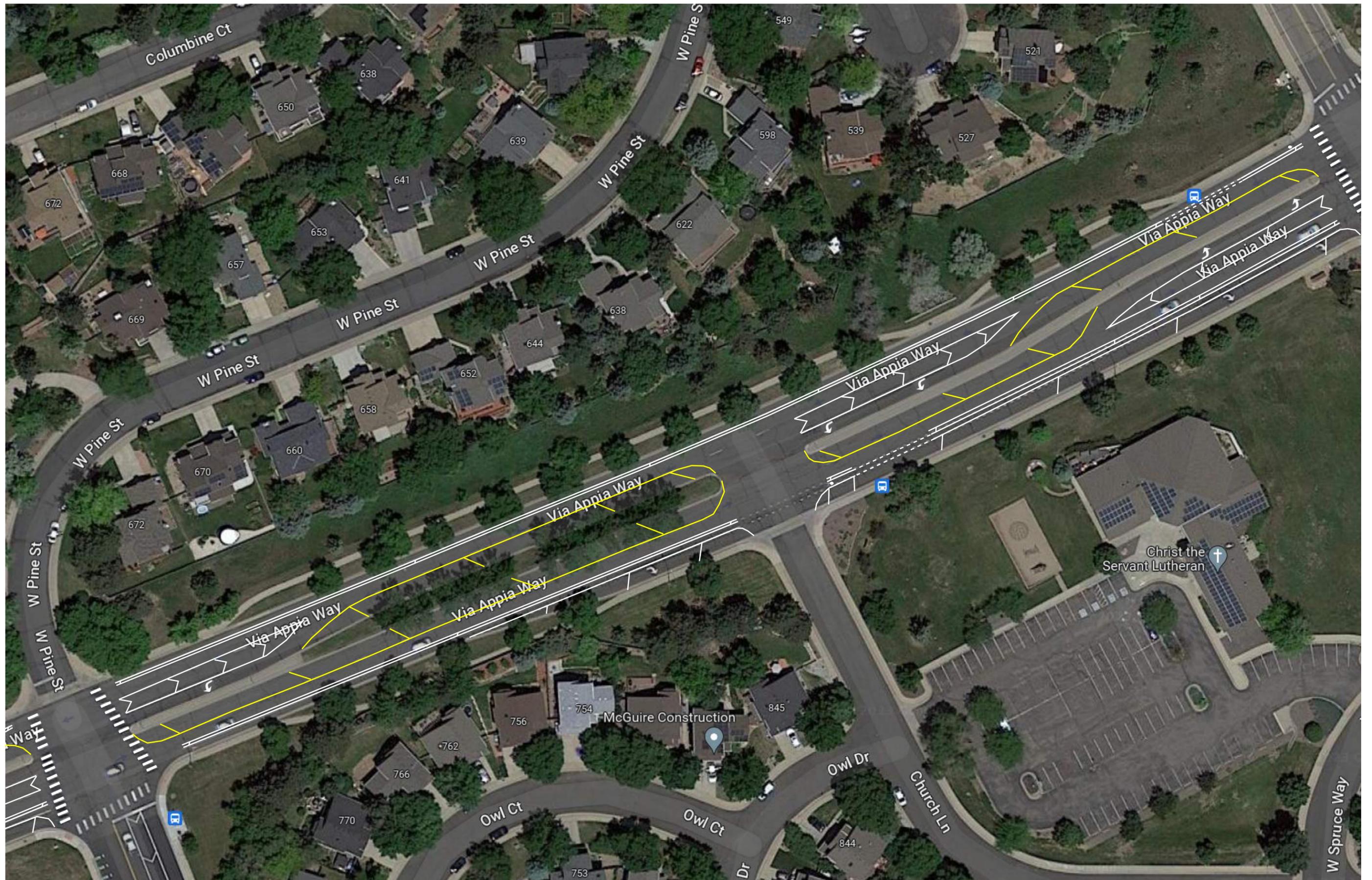
Contingency \$ 5,163.42

Traffic Signs and Public Education Exhibits \$ 15,000.00

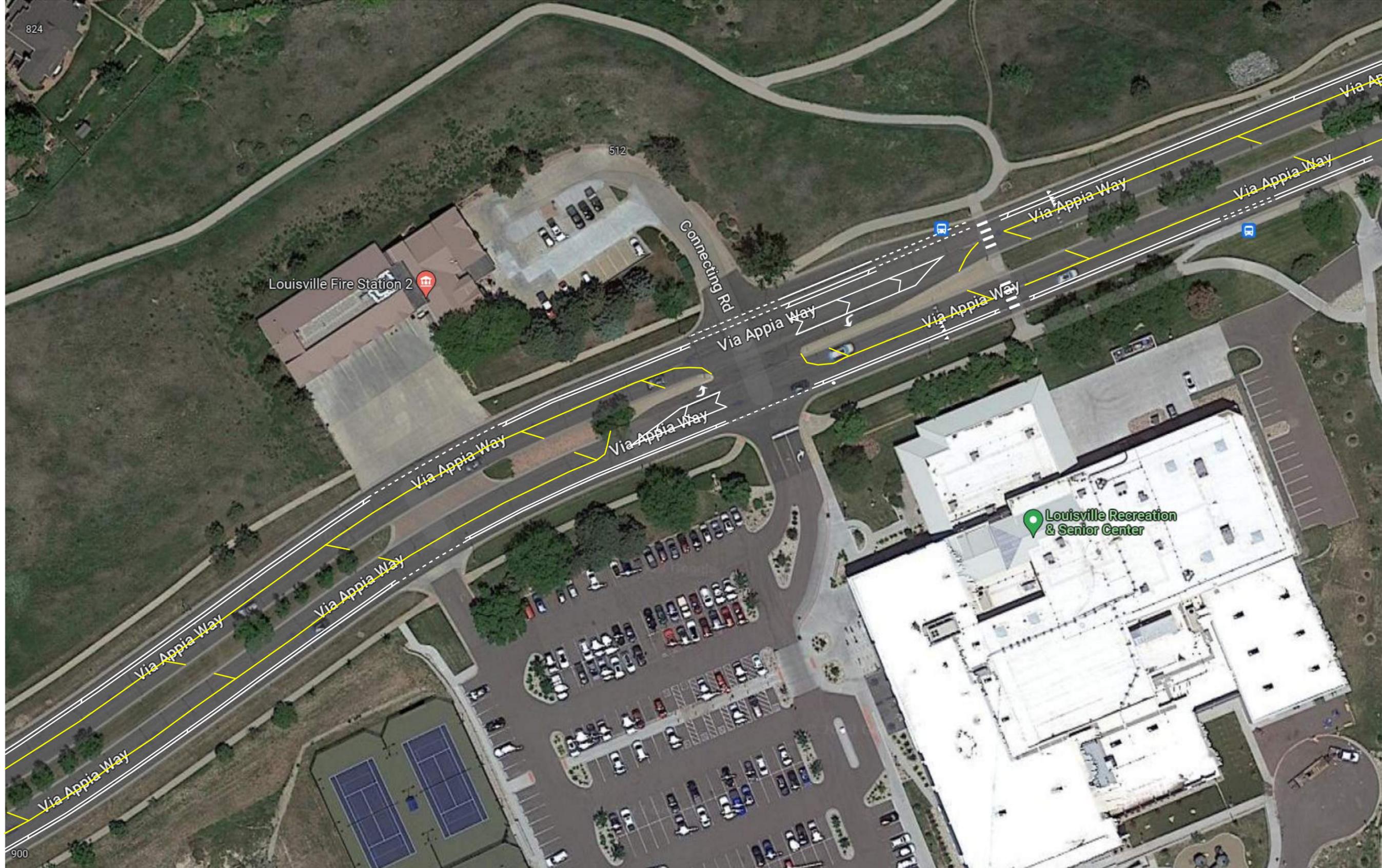
Total \$ 70,900.00





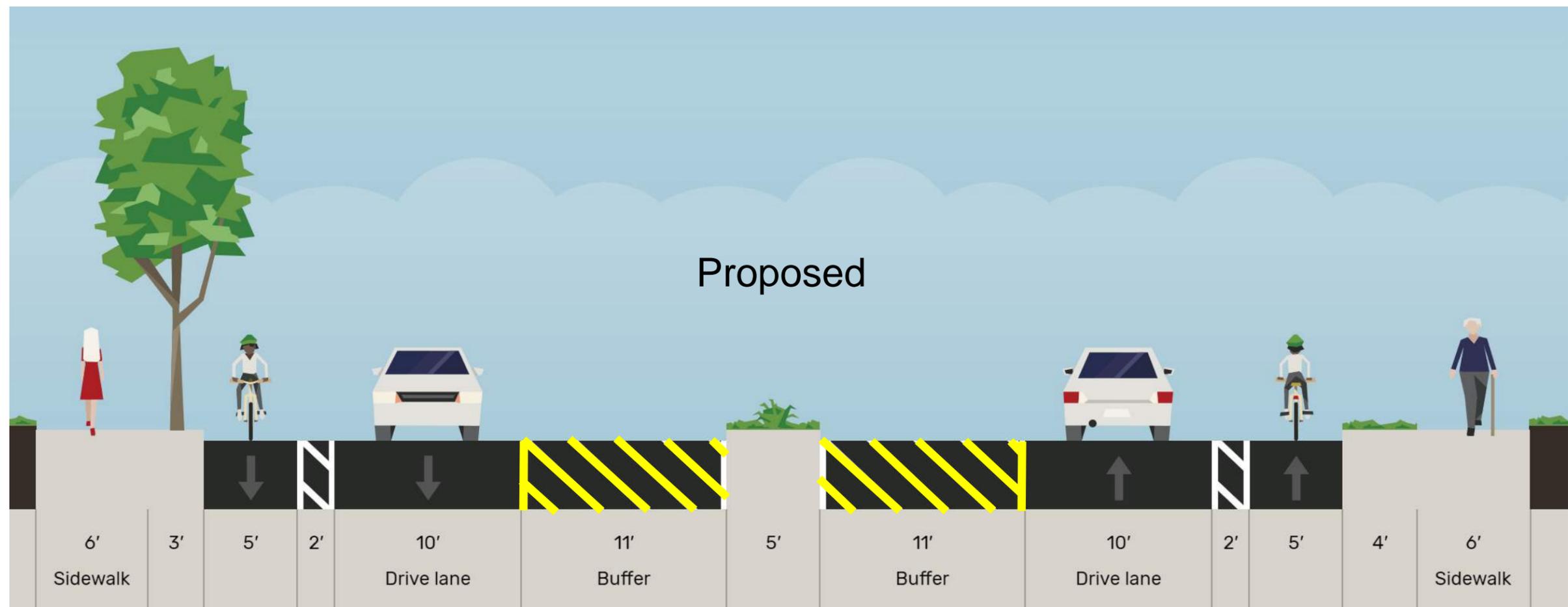












Via Appia Striping Road Diet Estimated Costs

Item	Description	Unit	Quantity	Unit Price	Total
1	Epoxy 8" White	SF	12,786	\$ 1.55	\$ 19,818.30
2	Epoxy 4" White	SF	5,034	\$ 1.55	\$ 7,802.18
3	Epoxy 4" White Hatch 45 Deg @ 20' Spacing	SF	1,044	\$ 6.00	\$ 6,262.00
4	Epoxy 4" Skip White (10' - 30')	SF	325	\$ 1.55	\$ 503.75
5	Epoxy 8" Skip White (2" - 6")	SF	773	\$ 1.55	\$ 1,198.67
6	Epoxy 4" Skip White (2" - 6")	SF	387	\$ 1.55	\$ 599.33
7	Epoxy 4" Double Yellow	SF	877	\$ 1.55	\$ 1,358.83
8	Epoxy 4" Yellow	SF	4,028	\$ 1.55	\$ 6,243.92
9	Epoxy 4" Yellow Hatch 45 Deg @ 35' Spacing	SF	2,597	\$ 6.00	\$ 15,580.00
10	Thermoplastic Pavement Marking (Crosswalk-Stop Bar)	SF	2,576	\$ 13.50	\$ 34,776.00
11	Thermoplastic Pavement Marking (Word-Symbol)	SF	641	\$ 21.00	\$ 13,461.00
12	Removal of Pavement Markings	SF	1,892	\$ 4.00	\$ 7,566.67
13	Layout New Pavement Markings	DAY	5	\$ 2,400.00	\$ 12,000.00
14	Traffic Control	LS	1	\$ 7,000.00	\$ 7,000.00

Subtotal \$134,170.65
Contingency \$ 13,429.35
Traffic Signs \$ 20,000.00
Total \$167,600.00