



DATE: June 6, 2023

TO: Darrel Pyle, City Manager

FROM: Joseph Hill, Streets Program Manager *JH*
David Riesland, Transportation Engineer *DR*

THROUGH: Shawn O'Leary, Director of Public Works *SOL*

SUBJECT: Approval of Change order #1 to contract K-2223-77 with Arroyo's Concrete LLC, adding locations for the Festival Streets Bollards project pavement preparation and appropriation of funds in the amount of \$21,621.31 from project TC0284 Account #50596688

BACKGROUND:

On Tuesday February 28, 2023 City Council approved contract K-2223-77 with Arroyo's Concrete LLC for the Street Maintenance Alley program FYE 2023 locations. The City of Norman funds a portion of its annual repair and maintenance plan through the City's Capital Improvement Program Budget. There are five categories that are funded annually for CIP street maintenance activities including Asphalt Maintenance, Concrete Maintenance, Crack Sealing, Valley Gutter Maintenance and Alley Maintenance.

The City of Norman has an inventory of 171 alleys totaling nearly 14 miles in length which require regular maintenance activities. Staff recently conducted an inventory verification and condition rating of these alleys in order to determine priorities necessary to address this large volume of secondary routes. The conditions this survey took into account were; existing surface type and condition, commercial or residential corridor, whether the route included sanitation services, property access and assumed traffic volumes.

With this information, Public Works staff began planning maintenance activities which include general surface grading, minor patching or repair on concrete and asphalt surfaces and full depth repair of existing pavement.

Contract K-2223-77 scope of work includes extensive panel replacement of existing concrete alleys in commercial corridors with high traffic access. Curb replacement and ADA curb ramp improvements will be completed as necessary. The project includes four urban alleys identified on the attached map and is currently funded as follows:

Project	Number and Account	Amount
Alley Repair FYE 2022	SC0725 ACCT#50593369-46101	\$387,176.00
Alley Repair FYE 2021	SC0700 ACCT#50593369-46101	\$6,640.09
Alley repair FYE 2018	SC0622 ACCT#50593369-46101	\$6,365.45
Valley Gutter FYE 2019	SC0654 ACCT#50590051-46101	\$23,991.16
Valley Gutter FYE 2021	SC0698 ACCT#50590051-46101	\$75,000.00
Total:		\$499,172.70

The Traffic Control Division has assisted the Norman Police Department and the University of Oklahoma Police Department with the deployment of signs and barricades to close streets in various areas for University of Oklahoma home football games for a number of years. At the point of physical closure, the setup has always consisted of Type III barricades with sandbags. The deployment of Type III barricades can be cumbersome for staff and awkward for pedestrians to navigate between going to and from the stadium.

Closing a street using Type III Barricades involves the close spacing of the barricades across the roadway in an attempt to discourage vehicular traffic from entering the restricted area. The intent of the closures is to restrict vehicular access but to allow pedestrian access. The close spacing of the barricades can make it difficult for pedestrians and/or wheelchairs to navigate between the barricades in order to enter the vehicular restricted area. The bollards are seen as an option, at the point of closure, to allow easier pedestrian access without compromising vehicular restrictions.

Recently, staff has been in conversation with the Business and Community Affairs (BACA) Committee regarding the use of bollards in Norman as part of special events. A meeting in March included some discussion regarding the costs and types of bollards that might be considered. A meeting in April laid out the specifics of a potential pilot project in Campus Corner. Specifically, bollards could be installed on Asp Avenue near the White Street intersection, on Asp Avenue near the Boyd Street intersection, on Buchanan Street near the Boyd Street intersection, on Buchanan Street near the White Street intersection, and on White Street near the Buchanan Street intersection. A location map is attached.

DISCUSSION:

Two types of bollards were discussed in these meetings with BACA. One was a removable bollard that involved opening the cover over the hole in the street and inserting the bollard into the hole with the majority of the bollard remaining above the street level. The other type of bollard was a retractable bollard that would store inside the hole in the street when not in use. It would be raised when needed for a closure. The retractable bollard was determined to be the preferred bollard type due to the need for off-site storage of bollards, the enhanced safety afforded by the deeper hole, and the ease of deployment.

A total of 36 bollards are needed (8 on Asp Avenue near White Street, 8 on Asp Avenue near Boyd Street, 6 on Buchanan Street near Boyd Street, 8 on Buchanan Street near White Street, and 6 on White Street near Buchanan Street). Installation will involve some preparation of the each street segment in order to receive the bollard installations. First, utility atlases will be created to determine the best location for bollards at each location. Second, a strip of concrete will be added to accommodate each row of bollards. Third, a hole for each bollard will be drilled into the excavated area for each section of bollards. Finally, the bollards will be installed in each hole once the concrete has cured. The estimated cost for creation of the Festival Street Bollard Pilot Project is expected to be \$150,000. The price is broken down into \$33,000 for the bollards, and \$117,000 for the street preparation work.

Staff has analyzed the concrete sections that are preexisting for repair or replacement along with portions of pavement that will need to be transitioned from asphalt pavement to concrete pavement for bollard placement. The result of this analysis is represented in the proposed change order attached. Arroyo's Concrete LLC is nearing completion of the Alley Maintenance project and if approved, will begin repair and replacement of concrete pavement for bollards as early as June 12, 2023.

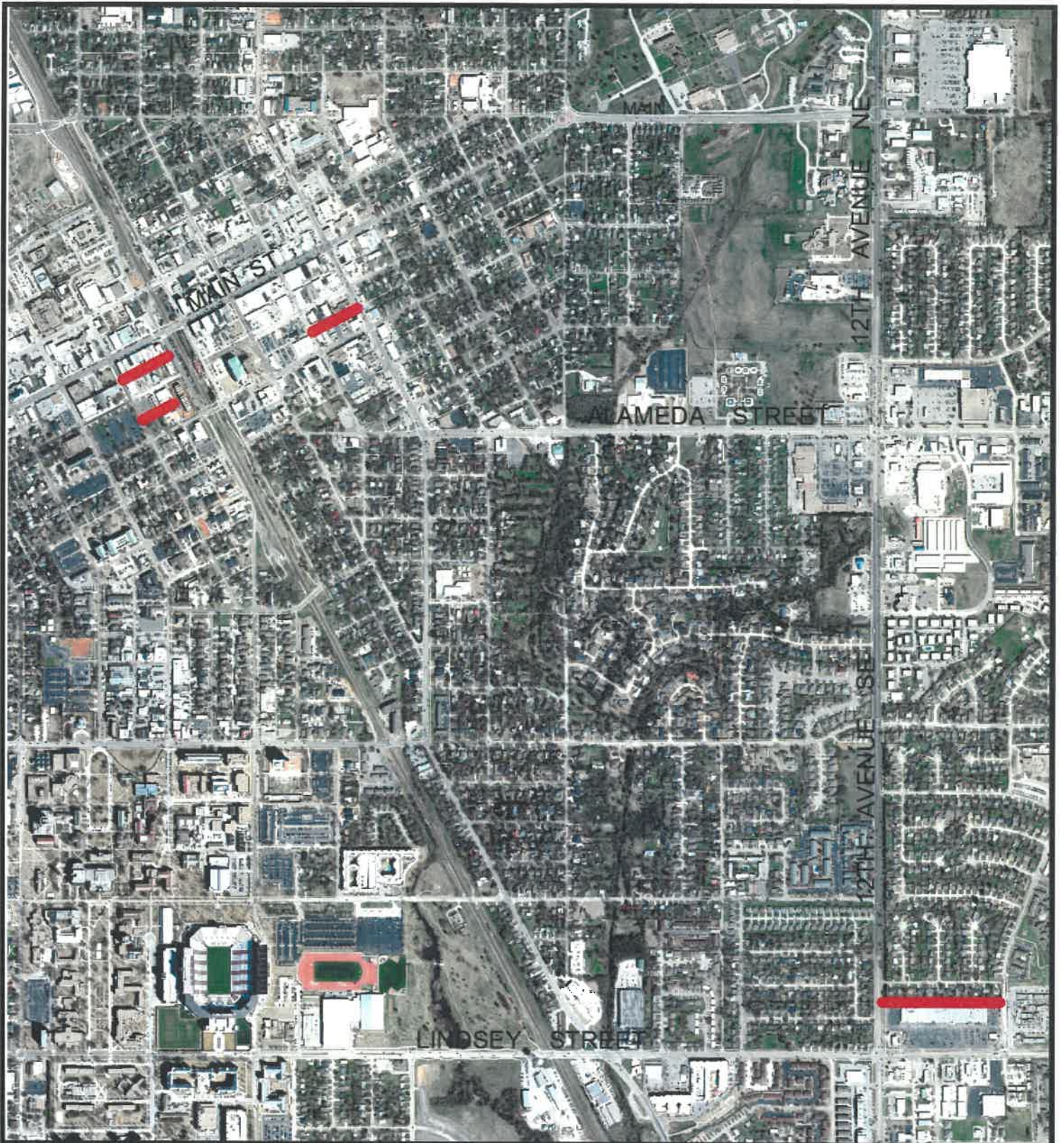
RECOMMENDATION NO. 1:

Staff recommends approval of Change Order #1 to Contract K-2223-77 in the amount of \$21,621.31 for a revised contract amount of \$520,794.01 adding locations for bollard pavement preparation and appropriation of 21,621.31 from project TC0284 Account #50596688

ACCEPTED BY:


Darrel Pyle, City Manger

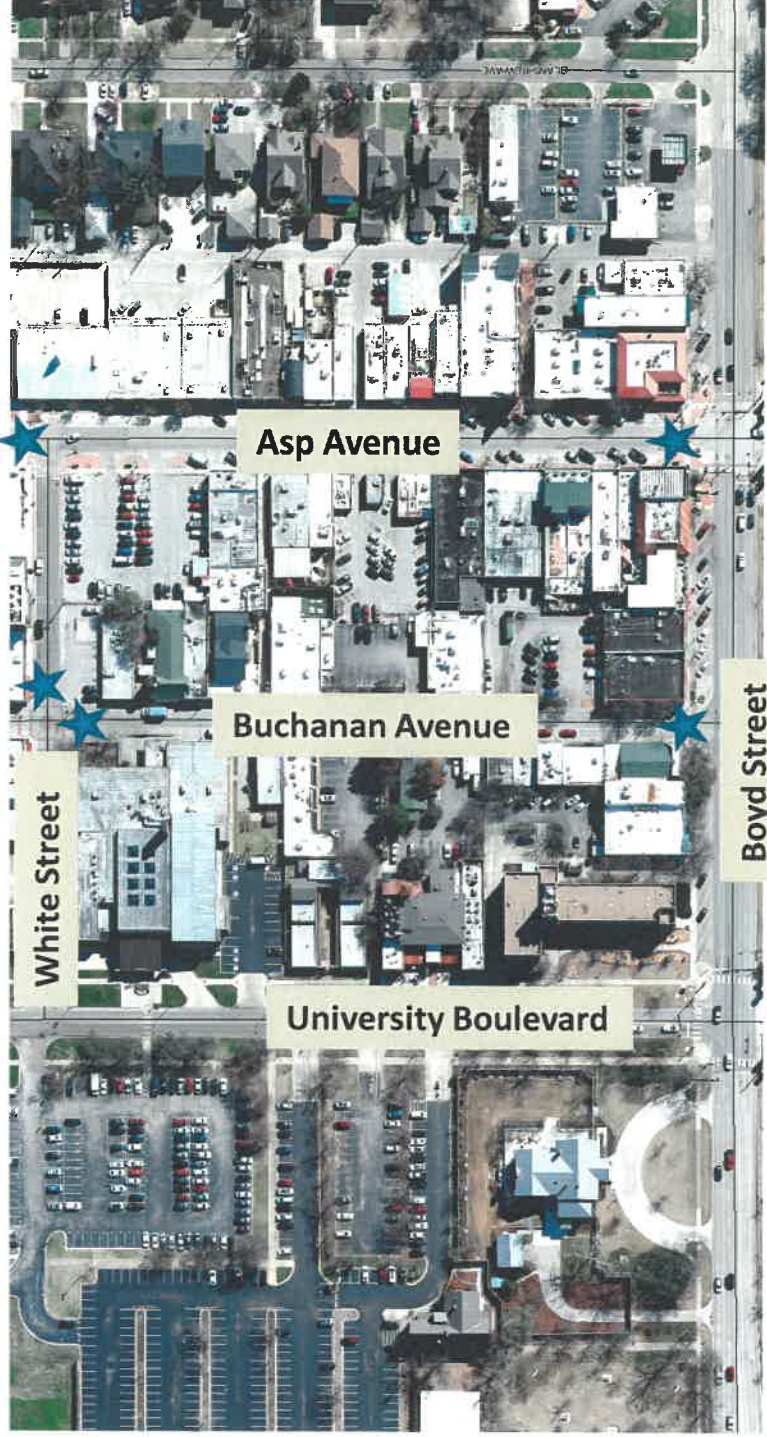
DATE: 6-9-23



STREET ALLEY MAINTENANCE PROGRAM FYE 2023 LOCATIONS

The City of Norman assumes no
responsibility for errors or omissions
in the information presented.

Pilot Location—Campus Corner



★ Location of Festival Street Bollards



Campus Corner Bollard Pavement Locations



CHANGE ORDER SUMMARY
CITY OF NORMAN
CLEVELAND COUNTY, OKLAHOMA

CHANGE ORDER NO. 1

DATE: June 2, 2023

CONTRACT NO.: K-2223-77

SUBMITTED BY: Joseph Hill

PROJECT: Street Maintenance Alley Program Concrete Pavement Project

CONTRACTOR: Arroyo's Concrete, LLC
1233 SW 41st St.
Oklahoma City, Oklahoma 73109

Original Contract Time: 180 days

Original Contract Amount: \$499,172.70

DESCRIPTION	INCREASE	DECREASE
Change in Pay Quantities	\$21,621.31	\$(0.00)
Change in Contract Time	30 Days	0 Days

NET CHANGE \$21,621.31

REVISED CONTRACT TIME: 210 days

REVISED CONTRACT AMOUNT: \$520,794.01

See Detailed Quantity Change on Page 2 of 2:

Detailed Quantity Change:

ITEM	DESCRIPTION	UNIT	CONTRACT QUANTITY	CO #1 QUANTITY	QUANTITY CHANGE	COST CHANGE
1	Mobilization	LS	1	1.3	0.3	\$2,936.31
2	Traffic Control (1,2,3)	LS	1	1.3	0.3	\$3,795.00
3	Undercut (4)	CY	600	600.0	0	\$0.00
4	Saw Cut Pavement Full Depth	LF	4,250	4,410.0	160	\$640.00
5	Remove Curb & Gutter (6)	LF	200	200.0	0	\$0.00
6	Remove existing pavement (6, 7, 8)	SY	5,070	5,245.0	175	\$1,750.00
7	Type A ODOT Aggregate base	TON	500	500.0		\$0.00
8	3000 PSI high-early strength concrete 8"	SY	5,070	5,245.0	175	\$12,250.00
9	pavement (8, 10, 11)	SY	35	35.0	0	\$0.00
10	3000 PSI Concrete sidewalk ramps (12)	SY	35	35.0	0	\$0.00
11	Adjust Manhole Ring to Grade	EA	11	11.0	0	\$0.00
12	Adjust water valve	EA	4	5.0	1	\$250.00
13	6" Integral curb	LF	100	100.0	0	\$0.00
14	Replace Inlet Gate (13)	EA	4	4.0	0	\$0.00
15	Construction Staking (14)	LS	1	1.0	0	\$0.00
	TOTAL COST CHANGE					\$21,621.31

CONTRACTOR: *Enrico Owens*
ENGINEER: *Jeff Pedis*
CITY ATTORNEY: *Christy Luckala*
ACCEPTED BY: *[Signature]*
(Mayor) City Manager

DATE: 6-7-2023
DATE: 6-8-23
DATE: 6/8/23
DATE: 6-9-23