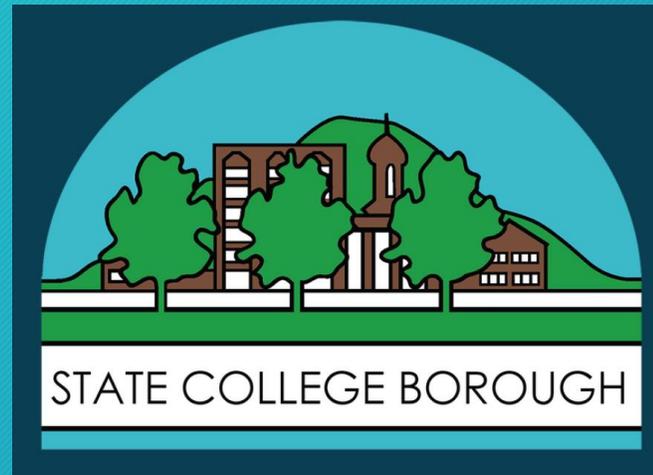


CALDER WAY PROJECT PHASE 1

3-16-2023

CALDER WAY - INTRODUCTION

ANDY ARNOLD, PE WITH GWIN, DOBSON & FOREMAN - REPRESENTING
THE BOROUGH OF STATE COLLEGE

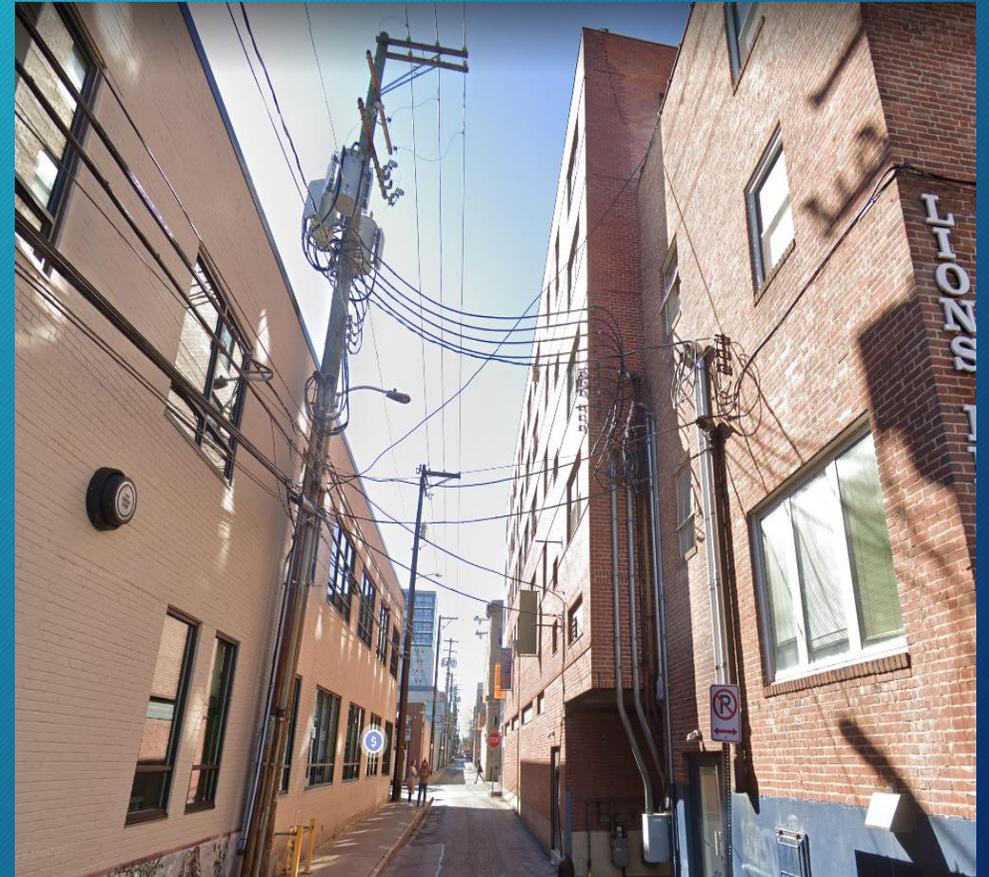


CALDER WAY - INTRODUCTION

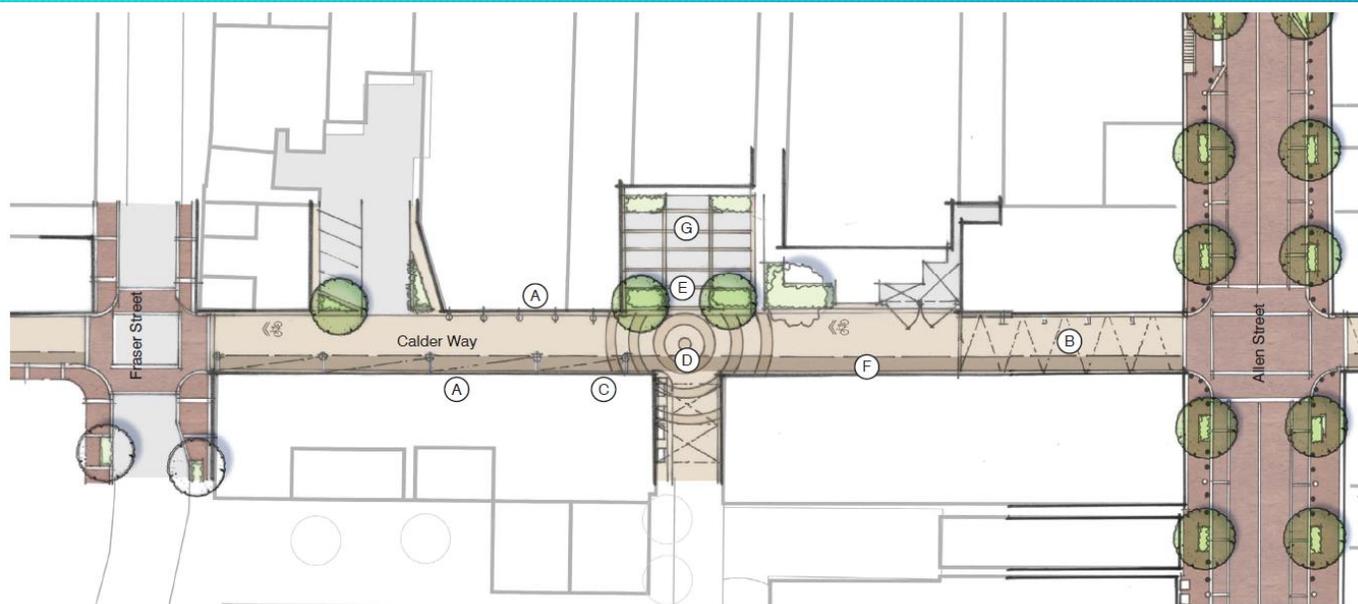
PROJECT GOALS AT STREET LEVEL

2013 DOWNTOWN MASTER PLAN - CREATE A SHARED USE SPACE WHICH IS MORE FRIENDLY FOR PEDESTRIANS AND BICYCLISTS WHILE MAINTAINING VEHICLE ACCESS FOR EMERGENCY/ESSENTIAL SERVICES ,DELIVERIES, REFUSE AND PARKING ACCESS

STREETScape/AESTHETIC IMPROVEMENTS



CALDER WAY - INTRODUCTION



- A. Wall-Mounted Lights
- B. Overhead String Lights
- C. Ornamental Pole Cover/Light Such As "Wrap-A-Post" or Custom Pole Wrap Developed with Local Arts Community to Cover Utility Poles
- D. Stamped Concrete to Emphasize Arts
- E. Planted Tree Pits within Parking Areas
- F. Bike Contra Lane to Accommodate Eastbound Bicycle Traffic (Feasibility to be Explored Further; Must Be Balanced with Ability to Maintain Service and Loading)
- G. Special Paving to Distinguish Parking Areas or Outdoor Courtyards



14' - 0"
Shared Space

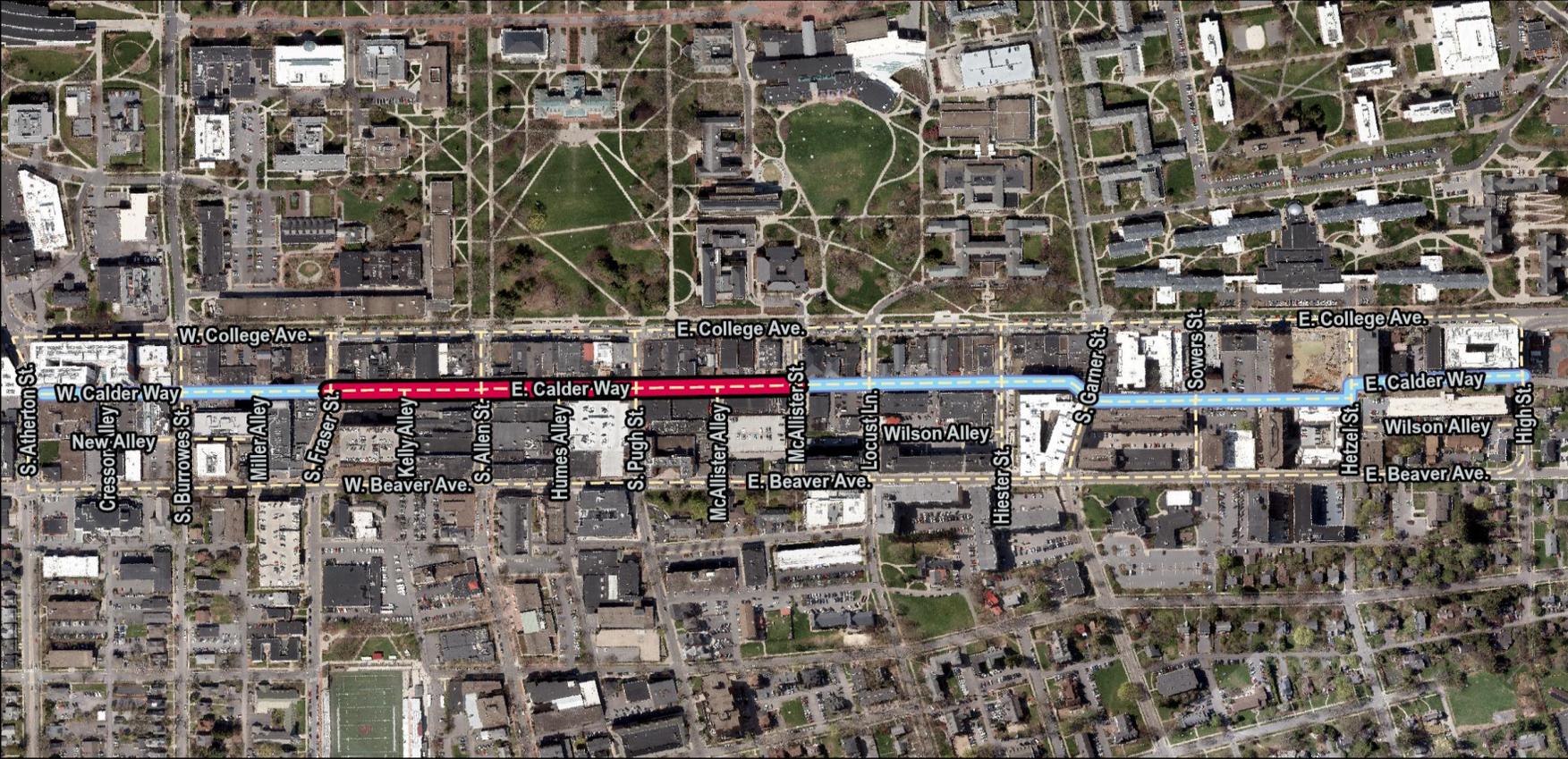
5' - 0"
Contra-Lane

EXCERPT FROM THE STATE COLLEGE DOWNTOWN MASTER PLAN, ADOPTED IN 2013.

THIS PLAN REMAINS THE OVERALL GOAL FOR THE PROJECT ABOVE GRADE.

CALDER WAY - OVERALL UTILITIES PROJECT

CALDER WAY - S. ATHERTON STREET TO HIGH STREET



Design - 2022/2023 (Calder Way From S. Atherton Street to High Street)

Construction - Phase 1 (Calder Way From S. Fraser Street to McAllister Street)



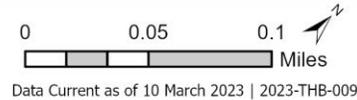
Data Current as of 10 March 2023 | 2023-THB-007

CALDER WAY - DESIGN SCOPE



 Design - 2022/2023 (Calder Way From S. Atherton to McAllister Street)

 Construction - Phase 1 (Calder Way From S. Fraser Street to McAllister Street)



DESIGN - 2022/2023

CALDER WAY FROM S. ATHERTON STREET TO MCALLISTER STREET

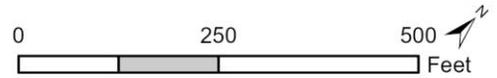
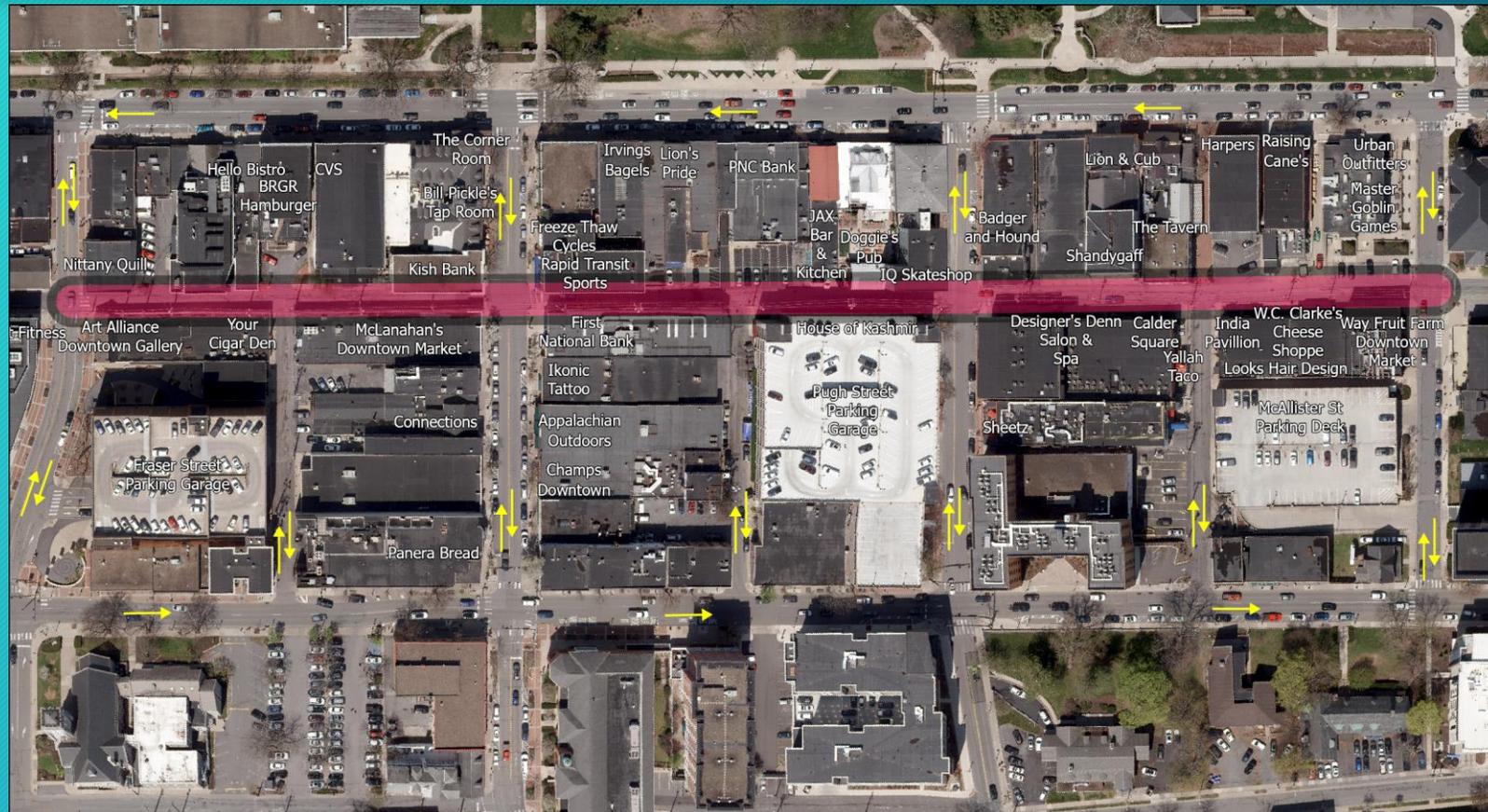
CONSTRUCTION - PHASE 1

CALDER WAY FROM S. FRASER STREET TO MCALLISTER STREET

CALDER WAY - DESIGN SCOPE

CONSTRUCTION - PHASE 1

CALDER WAY FROM S. FRASER STREET TO MCALLISTER STREET



Data Current as of 10 March 2023 | 2023-THB-008

CALDER WAY - DESIGN SCOPE

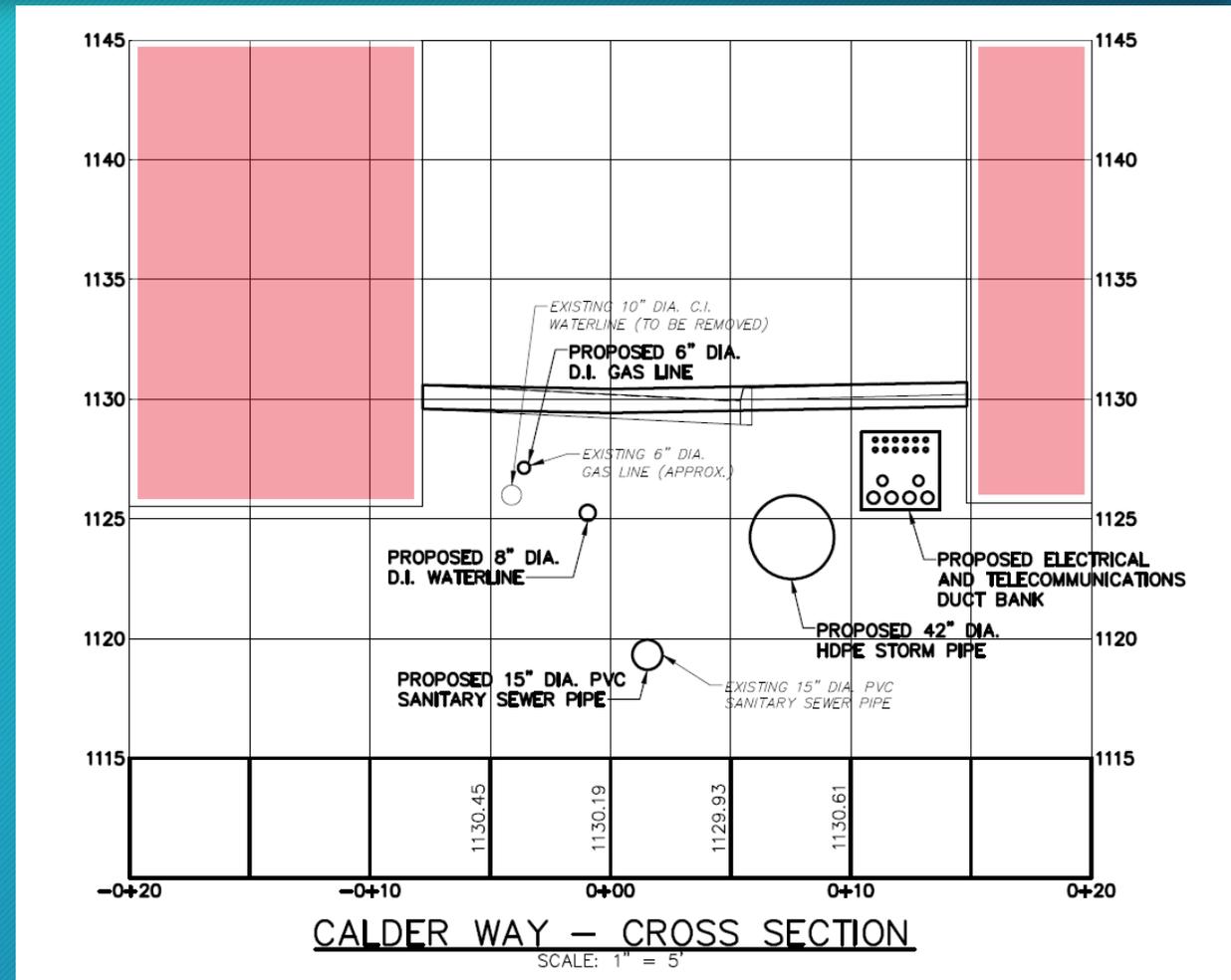
UTILITY REPLACEMENT/RELOCATION GOALS

- SANITARY SEWER - UPSIZE (PER ACT 537 PLAN) AND REPLACE
- STORMWATER PIPING - REPLACE IN KIND, POSSIBLE UPSIZING
- WATER MAIN - REPLACE IN KIND
- GAS MAIN -REPLACEMENT
- PROVISIONS FOR POWER - POLE REMOVALS AND RELOCATION UNDERGROUND
- PROVISIONS FOR TELECOMMUNICATIONS/FIBER - POLE REMOVALS AND RELOCATION UNDERGROUND
- REMOVE ANY PREVIOUSLY ABANDONED LINES

CALDER WAY - DESIGN SCOPE

UNDERGROUND UTILITIES

- SANITARY SEWER
- STORMWATER PIPING
- WATER MAIN
- GAS MAIN
- TELECOMMUNICATIONS AND ELECTRICAL



CALDER WAY - PHASE 1 SCHEDULE

PROJECT ADVERTISEMENT - APRIL 18, 2023

BID OPENING - MAY 16, 2023

PENNVEST CLOSING - JULY 6, 2023

START CONSTRUCTION IMMEDIATELY AFTER, EARLY JULY

END OF CONSTRUCTION SEASON - NOVEMBER 15, 2023

CALDER WAY - PHASE 1 AND BEYOND

BOROUGH OF STATE COLLEGE - CONTINUED COORDINATION WITH THE DOWNTOWN IMPROVEMENT DISTRICT REPRESENTATIVES

SEQUENTIAL PROJECT PHASING TO LIMIT DOWNTIME AND INTERRUPTIONS TO BUSINESSES AND RESIDENTS TO THE EXTENT PRACTICAL - TEMPORARY SERVICES

TRAFFIC DETOURS AND MITIGATION DURING CONSTRUCTION

CALDER WAY - MOVING FORWARD

PRIOR AND UPCOMING FUNDING OPPORTUNITIES FOR CALDER WAY

State College Borough - Calder Way Funding Opportunities											
Public Funding											
Grant Details:		Application Details:			Project Details:			Status:			
Agency:	Program:	Type of Application	Segment	Submission Date:	Project Costs:	Grant Requests	Match Requests	Pending:	Anticipated Meeting Date	Awarded:	Award Amount:
PennVest	Low Interest Loan	Storm Water	S. Fraser to McAllister	4/22/2022	\$2,440,892	Loan Requested	N/A			YES	\$2,440,892 20-year loan Years 1-5 (1.743%) 6-20 (2.179%)
PennVest	Low Interest Loan	Sanitary Sewer	S. Fraser to McAllister	Hold until permit issued - letter of no prejudice submitted							
Commonwealth Financing Authority	Covid-19 - ARPA H20	Storm Water	McAllister Street to Garner Street	12/20/2022	\$8,328,283	\$5,554,965	\$2,773,318	x	Jul-23		
Commonwealth Financing Authority	Covid-19 - ARPA H20	Water - SCBWA Applicant	Atherton to Fraser; McAllister Street to Garner Street	12/20/2022	\$4,031,500	\$2,015,750	\$2,015,750	x	Jul-23		
Commonwealth Financing Authority	Covid-19 - ARPA H20	Sanitary Sewer	Atherton to Fraser; McAllister Street to Garner Street	12/20/2022	\$5,869,946	\$3,915,254	\$1,954,692.00	x	Jul-23		
U.S. DOT	RAISE	Transportation and Infrastructure	Atherton to Fraser; McAllister Street to Garner Street	2/28/2023	\$17,350,307	\$10,690,137	\$6,660,170	x	Jun-23		

CALDER WAY - MOVING FORWARD

IN ADDITION TO THE FUNDING OPPORTUNITIES DIRECTLY RELATED TO CALDER WAY, ADDITIONAL ADJACENT PROJECTS CONTINUE TO BE PURSUED, WITH SEVERAL ACKNOWLEDGED AND STARTING INITIAL DESIGN.

STATE COLLEGE NEXT ERA: PSU – PEDESTRIAN SAFETY AND UNIVERSAL ACCESSIBILITY INITIATIVE PROJECT COMPONENTS			
STREET	TRANSPORTATION ENHANCEMENTS	STATUS	PRIORITY
Allen Street	Raised roadbeds, bricked crosswalks, parking/travel lanes defined by bollards, enlarged bump-outs, bicycle storage, bike lanes	NOT FUNDED: Scope will be included in future state and federal funding requests	Lowest priority: Future Build America Bureau TIFIA request.
Allen Street/ College Ave. Intersection	ADA ramps, ramp for bicycle connection, bicycle lane as part of crosswalk, sidewalk expansion, expanded bulb outs at intersections, raised intersection grade with sidewalk	FUNDED BY PA DEPARTMENT OF TRANSPORTATION: Currently in final design	Higher priority due to high volume of pedestrian crossing intersection
Beaver Avenue	Reduce travel lanes and expand sidewalks 3' on each side of street; brick banding on sidewalks with large brick fields at intersections; sharrows for shared bike lanes; expanded bulb out at intersections	FUNDED BY PA DEPARTMENT OF TRANSPORTATION: Currently in final design	Higher priority due to conflicts between vehicles/cyclists and pedestrians.
Calder Way – Phase I: (S. Fraser to McAllister)	Expand sidewalk – 11' to provide at grade pathway using stamped concrete; ADA upgrades at all intersections with detectable warning devices; install retractable bollards/ traffic control; upgrade all aged infrastructure; create below grade refuse collection system; bury overhead electrical and telecommunication lines	FUNDED THROUGH ARPA, STATE, AND LOCAL FUNDS: Project design is complete and will be bid in May 2023; construction to begin in July 2023	High priority due to age of infrastructure; pedestrian activity and volume of injuries due to vehicle/ pedestrian/cyclist accidents.
Calder Way – Phase II (S. Atherton to S. Fraser; McAllister to S. Garner St)	Same as Calder Way, Phase I: This phase will install EV Level 3 Charging stations at each parking garage in proximity to Calder Way	NOT FUNDED: Scope included in this RAISE application	High Priority due to age of infrastructure; pedestrian activity and volume of injuries due to vehicle/ pedestrian/cyclist accidents.
Calder Way – Phase III (S. Garner St to High Street)	Same as Calder Way, Phase I and II	NOT FUNDED: Scope will be included in future state and federal funding requests	High Priority due to age of infrastructure; pedestrian activity and volume of injuries due to vehicle/ pedestrian/ cyclist accidents.

CALDER WAY - MOVING FORWARD

- UTILITY SEGMENTS REPLACED ANNUALLY TO THE EXTENT PRACTICAL DURING A CONSTRUCTION SEASON (TWO TO THREE BLOCKS PER YEAR, ANTICIPATED)
- RESURFACING COULD BEGIN AS EARLY AS 2024, IN CONJUNCTION WITH THE UPCOMING COLLEGE AND BEAVER AVENUES/ALLEN STREET IMPROVEMENTS
- ANTICIPATE UNIFORMITY THROUGHOUT CALDER AT THE CONCLUSION OF THE PROJECT TO BEST ADDRESS ALL THOSE THAT UTILIZE THE SPACE