

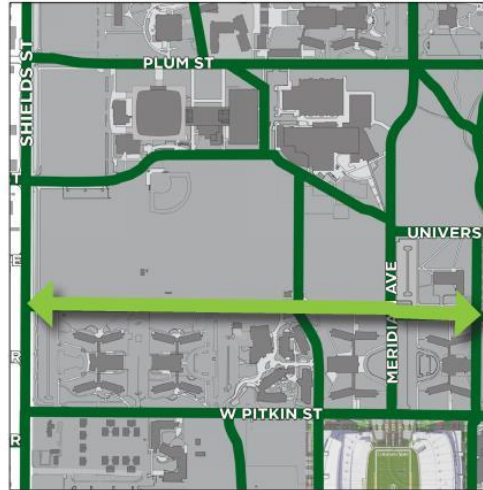
Hughes Way Separated Trail Infrastructure

Facilities Management Priority #1

14. South Drive

Limits: South Shields Street and Health Center Lot

Provides two-way bicycle facility to avoid pedestrian and auto conflicts



RECOMMENDATION

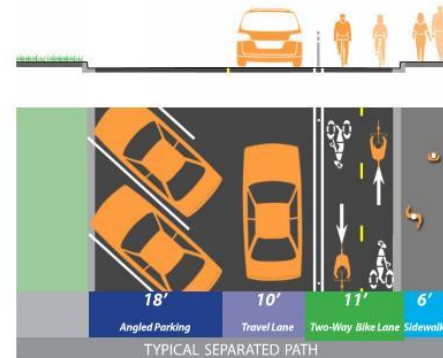
- Construct separated two-way bicycle facility on south side of roadway
- Separate two-way bike lane from travel lane with flexible delineators
- Remove parking on south side of South Drive to accommodate this facility

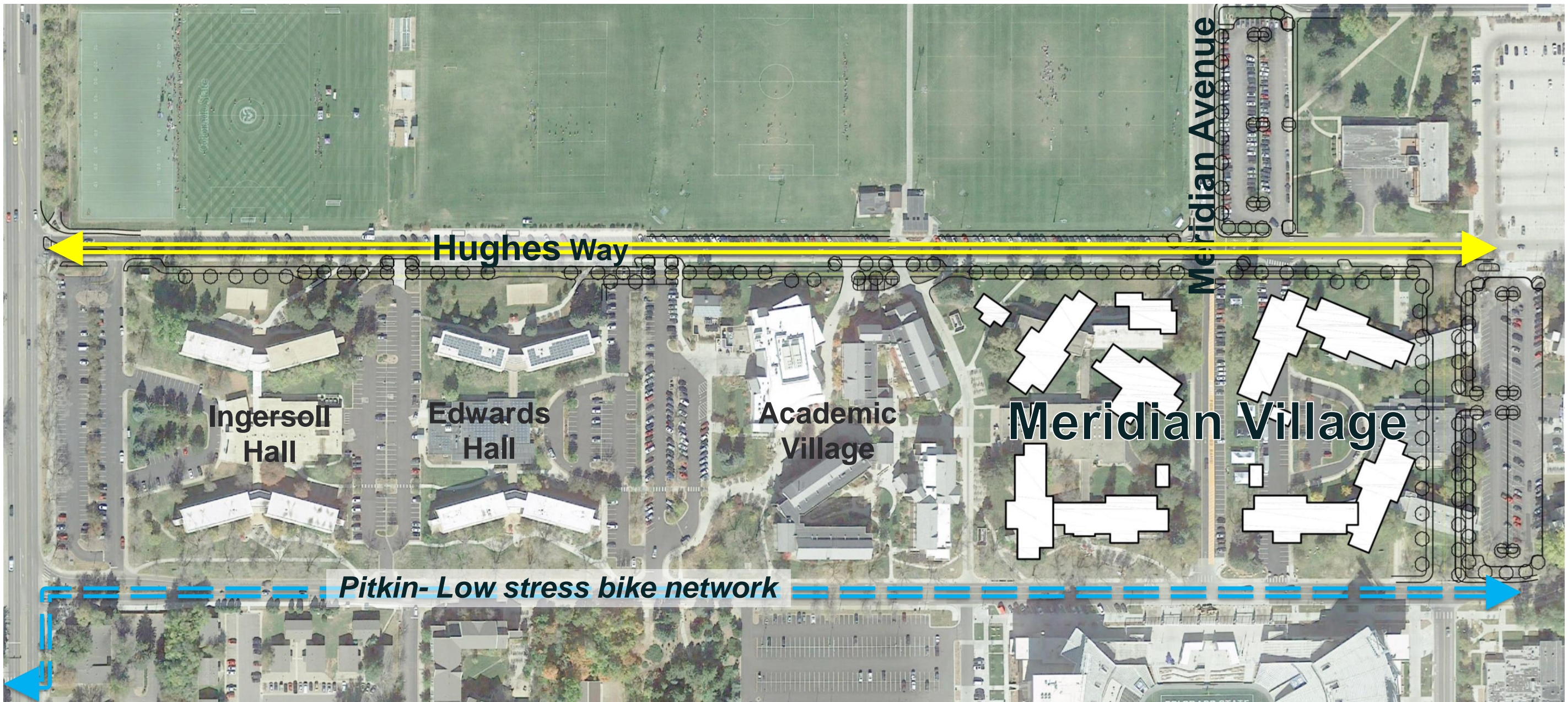
Construction Cost Estimate (near-term): \$38,000

Construction Cost Estimate (long-term): \$1,090,000

EXISTING CONDITIONS

- Bicyclists currently ride against traffic on street or sidewalk today to access residence halls and dining facilities
- No westbound bicycle facility is present





Campus Context

By the Numbers.....

Residents immediately on the corridor:

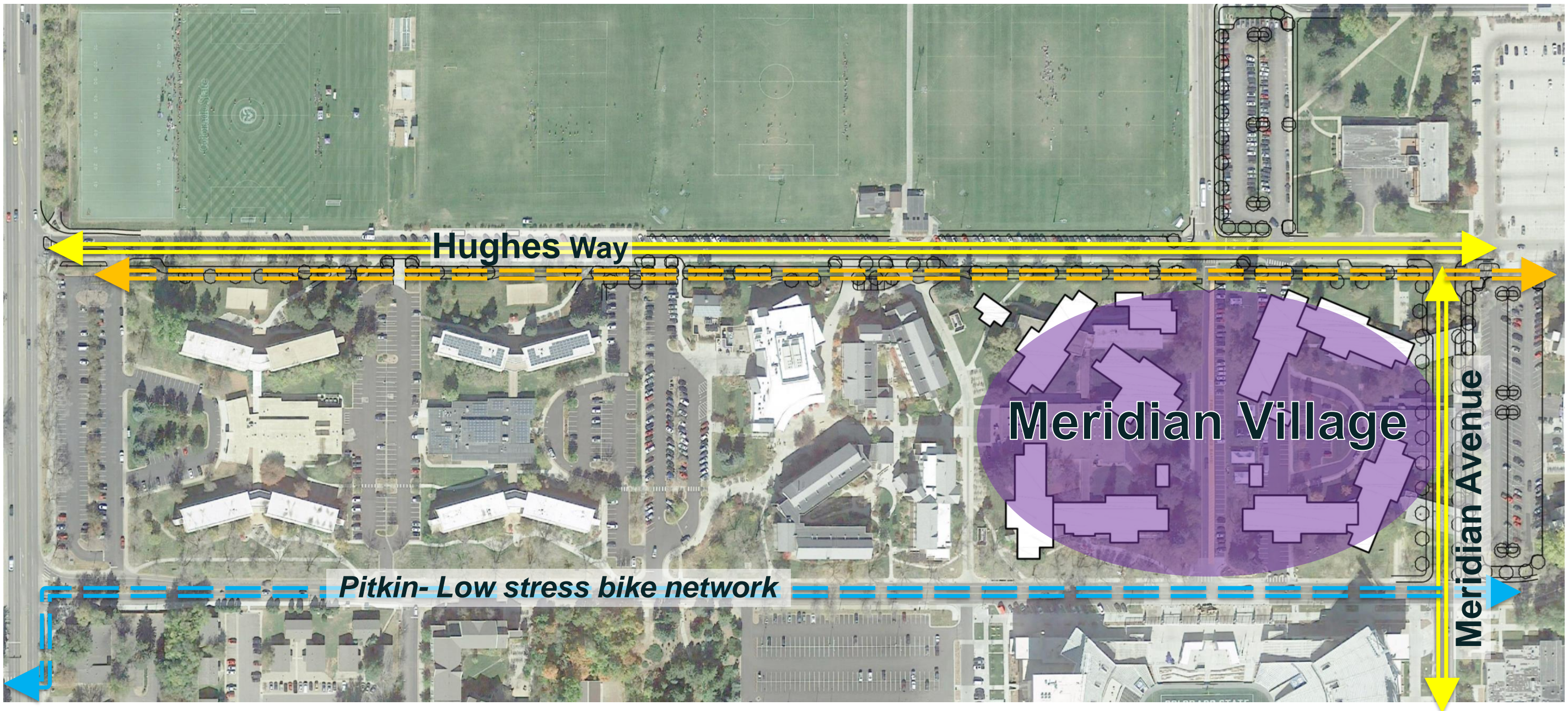
- Ingersoll Hall – 400 Residents
- Edwards Hall – 400 Residents
- Academic Village – 624 Residents
- Meridian Village – Estimates 1400 Residents, >1000 new to this area of campus.

Cordon Study data @ Hughes Way/ Meridian Intersection:

- 1307 bicycles and pedestrians crossed @ prime, mid-day use interval


Parking Demand:


- Resident hall bike parking is designed to an 80% occupancy factor
- On average 25-30% of student residents have a parking permit for their vehicle

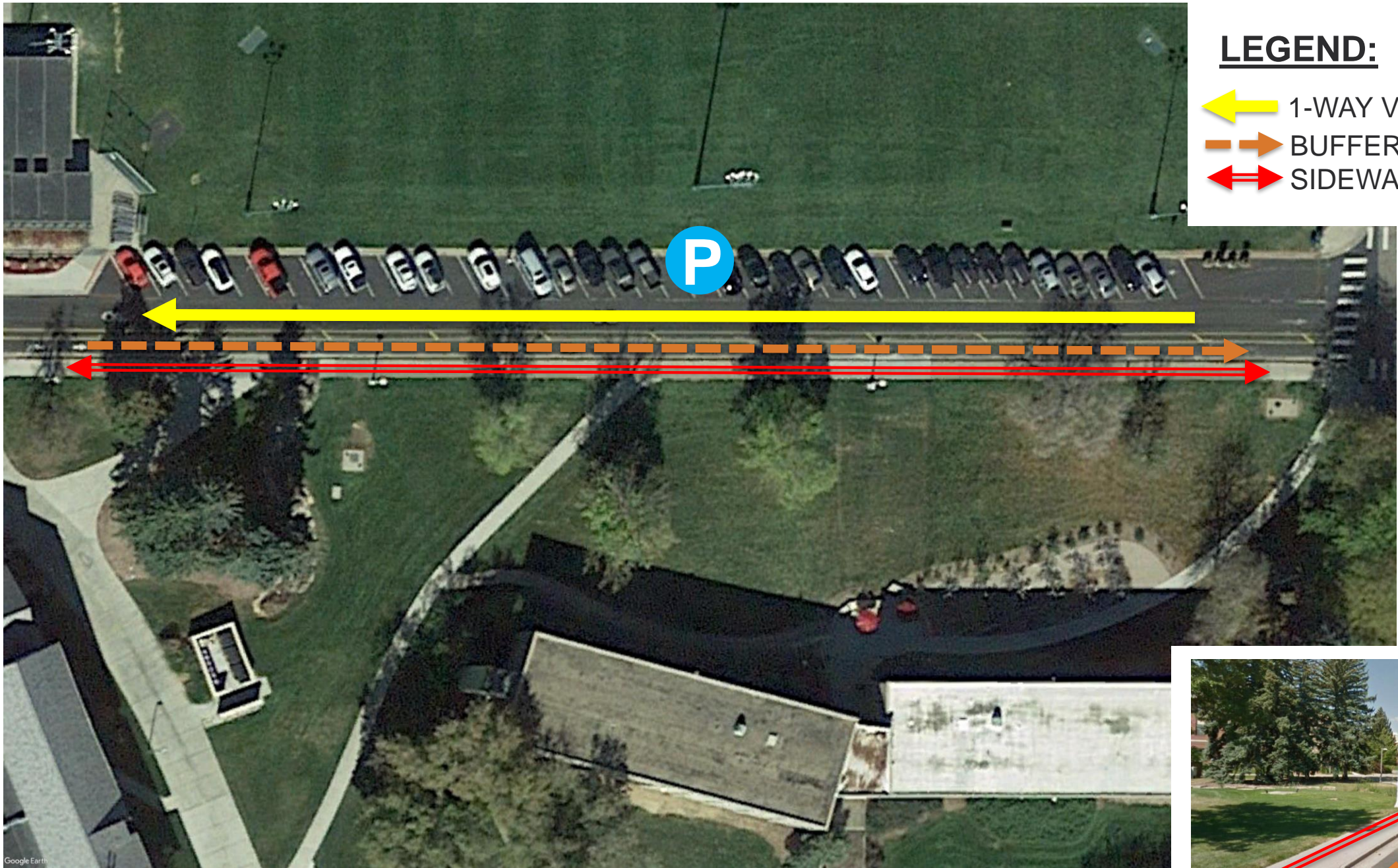


Meridian Village Planning Diagram

LEGEND:

 2-WAY VEHICULAR TRAVEL LANES

 SEPARATED BIKE/ PED TRAIL

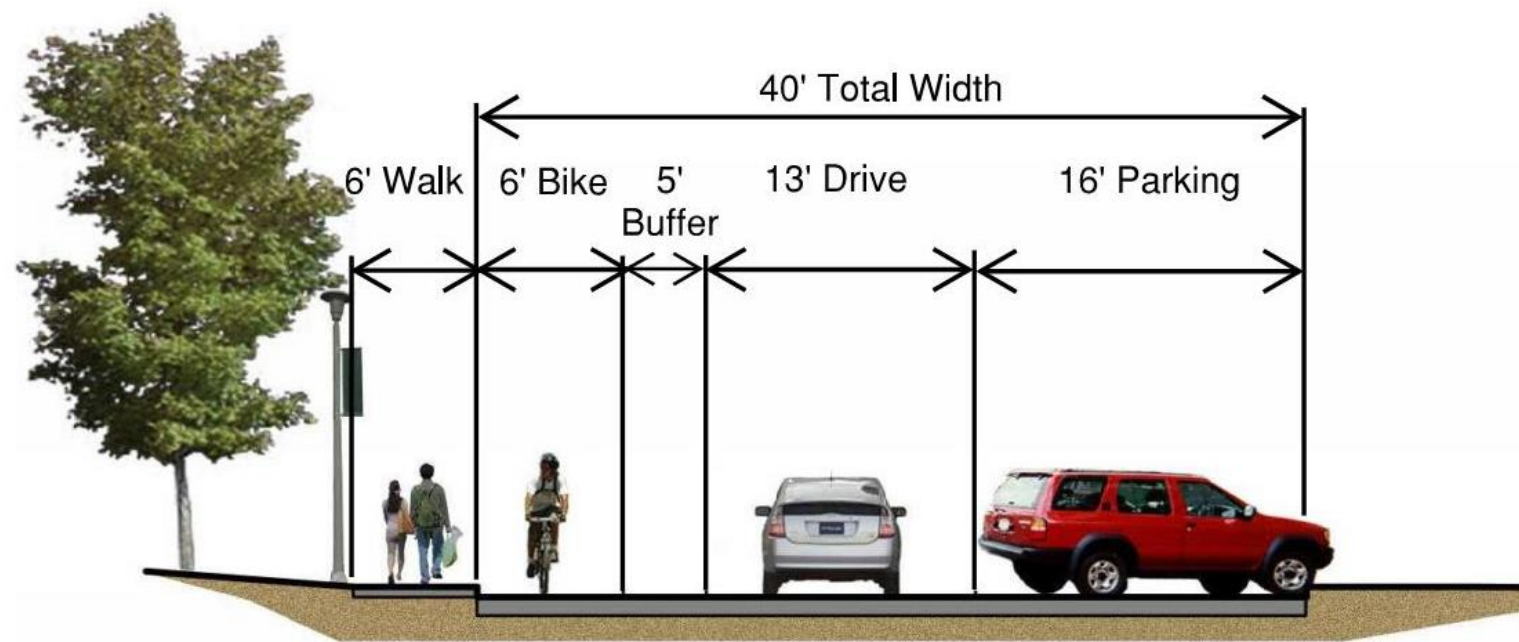


LEGEND:

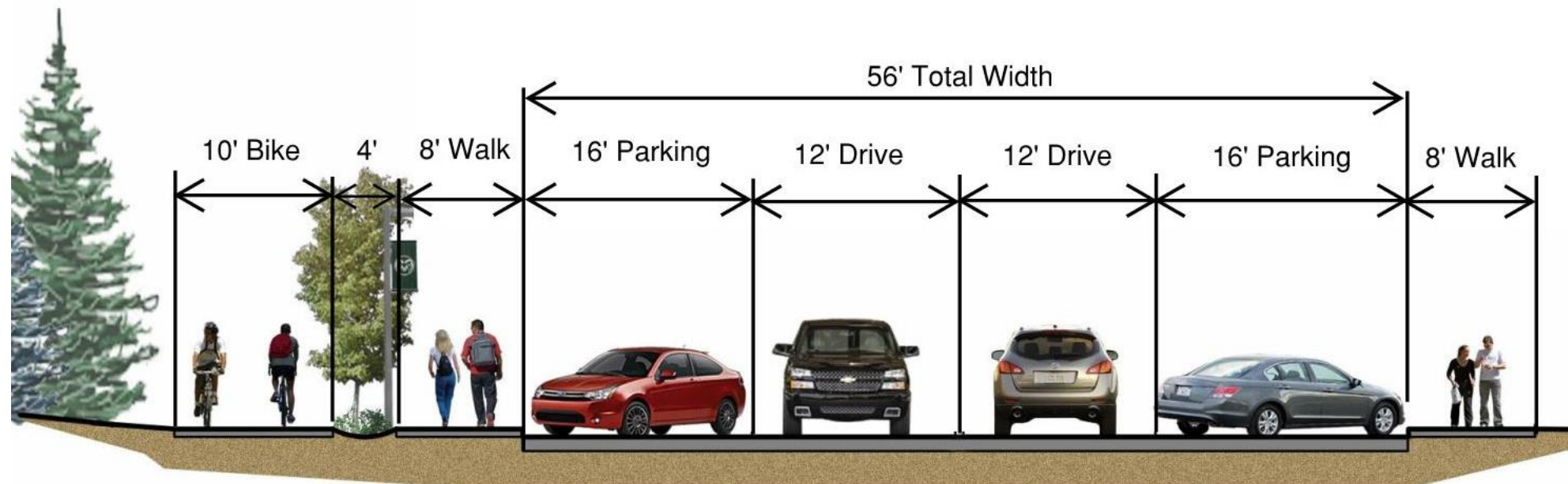
- ← 1-WAY VEHICULAR + SHARROW
- BUFFERED CONTRA-FLOW CYCLE TRACK
- ↔ SIDEWALK (OFTEN SHARED)

Hughes Way – Existing Condition

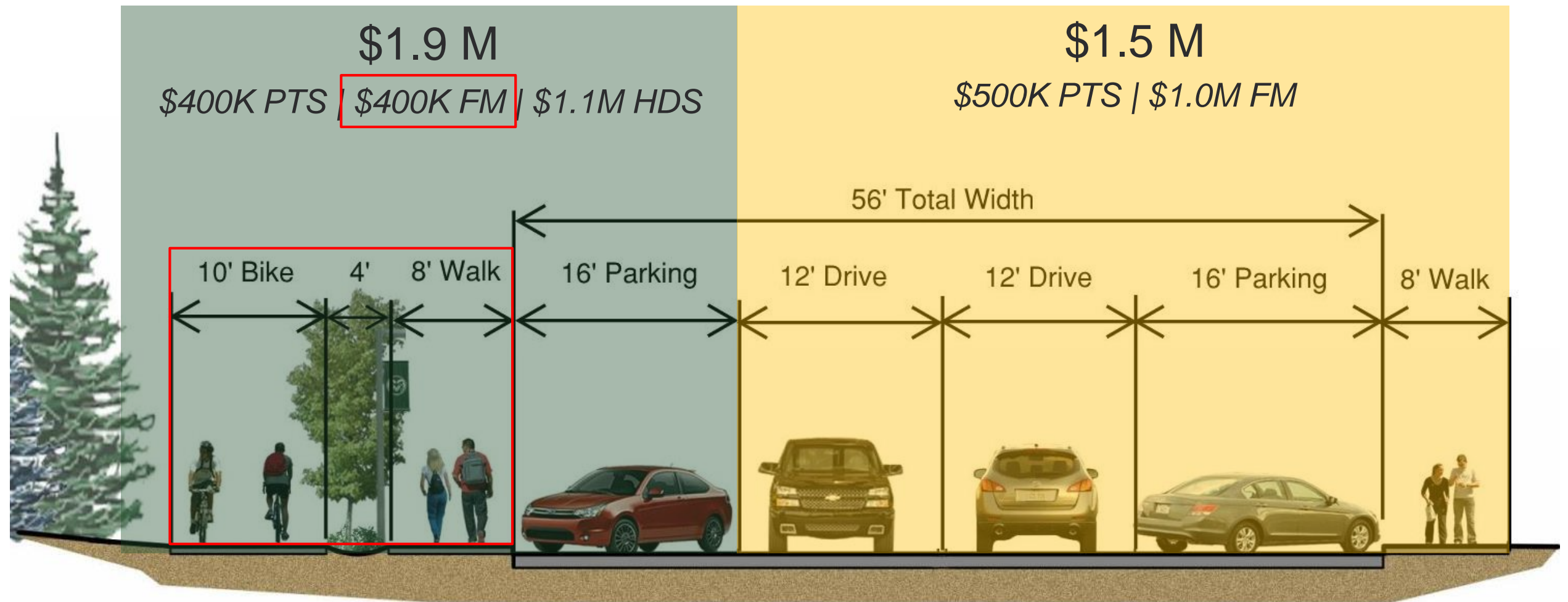




Hughes Way - Existing Condition (Westbound Only)



Hughes Way - Proposed Layout (2-Way Traffic)



PROPOSED FINANCIAL SPLIT

PTS: \$900K

HDS: \$1.1M

FM: \$1.4M

Total Estimated Cost : \$3.4M



Successful Campus Separated Trail Network Examples



Current Project Schedule:

- **Design completion:** *February 2019*
- **Posted for bidding contractors:** *March 2019*
- **Awarded to contractor:** *April 2019*
- **Commence Construction:** *Mid-May 2019*
- **Construction completion:** *Fall 2019*