Draft Design Proposal

to the
Master Planning Committee

Presented by DJRM
Engineering
March 26, 2015
Current Concerns

- lack of a modern curb and gutter system,
- abrupt sidewalk terminations at intersections,
- differential settlement and frost heaving,
- jarring shifts in the path between Reichardt Building and MBS,
- plow damage to concrete,
- ice buildup associated with sidewalk overflow, and
- lack of controlled pedestrian crosswalks.
Basic Design Considerations

• safety and ease of pedestrian access,
• anticipation of phasing,
• ease of maintenance, and
• ADA compliance.
Basic Design Components

- new curb and gutter
- minimum sidewalk width of 6 feet
- landscape buffer with a minimum width of 4 feet
- at-grade access ramps compliant with ADA design standards
TYPICAL PROPOSED SIDEWALK
Zone Specific Design Components

• Zone 5: Collaborate with UAF Residence Life to appropriately utilize green space across from dormitories.

• Zone 7: Widen the sidewalk on the south side of the roadway from the Wood Center bus pullout to the MBS dormitories.
Zone Specific Design Components

- Zone 4: Install drainage swale and storm drain catch basin North of the sidewalk stretching between the dormitories and the Reichhardt building.
- Zone 4: Install retaining wall between dormitories and Reichhardt building to assist in the routing of water.
Zone Specific Design Components

• Zone 6: Reduce posted speed limit in front of MBS dormitories, and install crosswalk the full length of the sidewalk in front of the dormitories.