



DATE: August 5, 2020

TO: W. John Moore, Mayor
Yachats City Council

FROM: Shannon Beaucaire, City Manager

SUBJECT: Memo 2 - Driftwood Paving Project

This memorandum should be read in conjunction with the first memorandum. This is a snapshot of information and the conversations I have had with ODOT regarding the grant and the City engineers. I will provide as much detail as I have received to date during the Council discussion. Pending discussion at the Council meeting I will get additional details, answers, or meetings scheduled based upon Council decisions.

ODOT Small City Allotment Grant:

- Grants are awarded annually on a competitive basis;
- Changes in scope will be reviewed by the selection committee. A review of points awarded for the original scope of work, compared to other awards, will be conducted to determine if the proposed scope of work change to determine if the project is still competitive enough against the other proposals or if the project loses awarded points and is no longer a competitive award.
 - Examples that were given as awards of points:
 - Walkways for multi-modal transportation
 - Paving

Information & Engineering Notes:

- Costs expended to date (prior to last payroll): FY20: \$18,287.10; FY21: \$336.84 (FY21 is staff costs)
- Re-design, re-bidding, advertising, staff time: approximately \$10,000

- Current Measurements
 - 17' 7" Pavement
 - 23' 7" from pavement to east side of telephone pole parking barrier
 - 41' 2" TOTAL

- Project Measurements
 - **Original Design w/ West Side Sidewalk**
 - 5 sidewalk
 - 0.5 curb
 - 24 drive lanes
 - 19 parking
 - 0.5 curb
 - 5 sidewalk
 - 54 TOTAL WIDTH
 - 16 TOTAL non-ADA parking spaces

 - **Original Design w/o West Side Sidewalk**
 - 5 sidewalk
 - 0.5 curb
 - 24 drive lanes
 - 19 parking
 - 0.5 curb
 - 49 TOTAL WIDTH

 - **1 Way Traffic w/o West Side Sidewalk**
 - 5 sidewalk
 - 0.5 curb
 - 13 drive lane
 - 20 parking
 - 0.5 curb
 - 39 TOTAL WIDTH
 - 11 TOTAL non-ADA parking spaces

- Due to the Counter-clockwise design of the bank parking lot, coupled with the non-angled parking along the south side of the building North traffic flows – allowing 2 way on south side of building to EV Charging station and circling bank building (easier to visualize and discuss than write)
 - The Engineer provided a quick overlay on the existing drawing of 1 way North and 1 way South Traffic flow – modifications would still need to be made to adjust to the awkward

- Parking spaces are 9' wide x 19' long. 8 feet wide is becoming to narrow with larger vehicles
 - As drawn angled parking is at 45 degrees which is the most space efficient for one-way traffic. The width of a one-way is determined by the angle of the parking (detail attached).
 - One-way drawings, drive lane is 13 feet and parking area is 19.8 feet wide from lane to curb
- Experience from 2nd street project last year – 4-5 extra parking spaces two-way allows can have long-term value to the community/businesses for the life of the street. Two-way traffic pattern also may have long-term value with visitors finding parking and their way around.
- 24 feet behind full-size parking spaces common/standard
- Drainage and Permeable paving and bioretention to reduce runoff and pollutants information
 - <https://www.mass.gov/service-details/demonstration-3-permeable-paving-materials-and-bioretention-in-a-parking-lot>
 - https://www.google.com/search?q=permeable%20parking%20surface%20in%20sand&tbs=isch&tbs=rimg%3ACdc92DyT2u_1UYeARZY-QTrtD&rlz=1C1GCEU_enUS820US820&hl=en&sa=X&ved=0CAIQrnZqFwoTCLCR_OqKgusCFQAAAAAdAAAAABAJ&biw=1903&bih=937#imgsrc=NI4sUOHP-DSgJM
 - All drainage (sidewalks included) go to storm water catchment system and into City storm drainage
 - Maintenance – silt/sand needs to be removed to ensure permeability remains.
 - Pavers tend to be more expensive
 - Effectiveness depends on infiltration capacity of soils in the area
 - Pond near south end if there is area west of the pavement that is OK to use. Can become debris collectors and require maintenance for function and appearance.
 - Stormwater treatment – filter catch basin. Cost approximately \$10,000 + maintenance.

Community Input #3: Follows this memo