




# CITY OF OCEAN CITY

AMERICA'S GREATEST FAMILY RESORT

## ADMINISTRATION

Emergency Management • Engineering and Construction • Human Resource • Information Technology • Planning & Zoning • Purchasing

# Memo

**To:** James Mallon  
**From:** Arthur J. Chew, PE, PP, CFM, CME, CPWM   
**CC:** Joseph Clark  
**Date:** January 13, 2015  
**Re:** Authorization to Bid 16-16 – 2016 Road Improvement Program – Phase 1

This project consists of milling and paving of several city blocks of roads as listed below. Along with the resurfacing of the road, concrete curb, sidewalk, and gutter as well as some drainage improvements and traffic striping are included in the project. Below is a summary of the work to be performed on each road.

**Pleasure Avenue (16<sup>th</sup> Street to 14<sup>th</sup> Street)** – The work on this road consists of but not limited to the following: resurfacing of the road surface as well as adjusting pavement grades and installing concrete gutter to allow for positive drainage. Pleasure Avenue will be elevated up to nine inches to reduce tidal flooding conditions with an average elevation change along the gutter line at about six inches above of the existing conditions. Almost all the sidewalk and driveway aprons on the west side of the street will be replaced with sidewalk that has ADA compliant cross slope. Several properties in the area have built retaining walls within the public right of way. These retaining walls will be buried slightly to take advantage of the higher elevation adjacent properties and elevate the road surface to reduce the frequency of tidal flooding impacts.

**West 16<sup>th</sup> Street (Bulkhead to Bay Avenue)** – The work on this road consists of but not limited to the following: resurfacing of the road surface as well as adjusting pavement grades, replacement of existing drainage at the intersections with Pleasure Avenue and installation of new drainage, installation of concrete gutter to allow for positive drainage. The intersection of Pleasure Avenue will be elevated up to three inches to reduce tidal flooding conditions. Most other changes in elevation are within one inch of the existing conditions.

**Bayonne Place (Pleasure Avenue to Bay Avenue)** – The work on this road consists of but not limited to the following: resurfacing of the road surface as well as adjusting pavement grades, replacement of existing drainage at the intersections with Pleasure Avenue as well as in the middle of the block and installation of new drainage, installation of concrete gutter to allow for positive drainage. The intersection of Pleasure Avenue will be elevated up to three inches to reduce tidal flooding conditions. Most other changes in elevation are within one inch of the existing conditions.

**Sunset Place (Pleasure Avenue to Bay Avenue)** – The work on this road consists of but not limited to the following: resurfacing of the road surface as well as adjusting pavement grades, replacement of existing drainage at the intersections with Pleasure Avenue and installation of new drainage, installation of concrete gutter to allow for

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positive drainage. Most of the driveways aprons on the street will be replaced due to adjustments in the elevation of the road. The intersection of Pleasure Avenue will be elevated up to six inches to reduce tidal flooding conditions. Average elevation change along the gutter line is about three inches of the existing conditions. These elevation changes will also require the replacement of the sidewalk adjacent to the rear door of Mario's Pizzeria.

**15<sup>th</sup> Street (Bulkhead to Bay Avenue)** – The work on this road consists of but not limited to the following: resurfacing of the road surface as well as adjusting pavement grades, replacement of existing drainage at the intersections with Pleasure Avenue and installation of new drainage, installation of concrete gutter to allow for positive drainage. The intersection of Pleasure Avenue will be elevated up to nine inches to reduce tidal flooding conditions. Average elevation change along the gutter line is about two inches of the existing conditions.

**Wovern Place (15<sup>th</sup> Street to alley)** – The work on this road consists of but not limited to the following: resurfacing of the road surface as well as adjusting pavement grades to allow for positive drainage. Most elevation changes are less than one inch.

**Bayview Place (Prospect Avenue to Bay Avenue)** – The work on this road consists of but not limited to the following: resurfacing of the road surface as well as adjusting pavement grades and installing concrete gutter to allow for positive drainage. Most elevation changes are less than one inch but the intersection of Prospect Avenue and Bayview Place will be elevated three inches to reduce tidal drainage impacts.

**Prospect Avenue (15<sup>th</sup> Street to 14<sup>th</sup> Street)** – The work on this road consists of but not limited to the following: resurfacing of the road surface as well as adjusting pavement grades and installing concrete gutter to allow for positive drainage. Most elevation changes are under one inch but the intersection of Prospect Avenue and 16<sup>th</sup> Street will be elevated six inches on the west side to reduce tidal drainage impacts.

**Bayview/14<sup>th</sup> Street Alley (Prospect Avenue to Bay Avenue)** – The work on this alley consists of but not limited to the following: resurfacing of the road surface as well as adjusting pavement grades so that storm water will drain to Prospect Avenue and Bay Avenue. Due to the flat nature of the alley and low elevations of the adjacent properties porous pavement will be utilized in the alley.

**14<sup>th</sup> Street (Bulkhead to Bay Avenue)** – The work on this road consists of but not limited to the following: resurfacing of the road surface as well as adjusting pavement grades, replacement of existing drainage at the intersections with Prospect Avenue and Pleasure Avenue and installation of new drainage, installation of concrete gutter to allow for positive drainage. The intersection of Pleasure Avenue and 14<sup>th</sup> Street will be elevated up to nine inches to reduce tidal flooding conditions. Adjacent sidewalk and curb will be replaced in association with this project to allow for the road elevation while still maintaining positive pitch from the adjacent properties to the street.

**Bay/Simpson Alley (17<sup>th</sup> Street to 16<sup>th</sup> Street)** – The work on this alley consists of but not limited to the following: resurfacing of the road surface as well as adjusting pavement grades so that storm water will drain to 16<sup>th</sup> Street and 17<sup>th</sup> Street.

**East 16<sup>th</sup> Street (Bay Avenue to West Avenue)** – The work on this road consists of but not limited to the following: resurfacing of the road surface as well as adjusting pavement grades, replacement of existing drainage at the intersections with Simpson Avenue and Haven Avenue and installation of new drainage, installation of concrete gutter to allow for positive drainage. The 200 block of 16<sup>th</sup> Street will be elevated up to nine inches to reduce tidal flooding conditions. Adjacent sidewalk and curb will be replaced in association with this project to allow for the road elevation. The 300 block will also between three and six inches. The north west side of the block will have the sidewalk and curb replaced to take advantage of the elevation of the adjacent property.





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**Haven Avenue (17<sup>th</sup> Street to 16<sup>th</sup> Street)** – The work on this road consists of but not limited to the following: resurfacing of the road surface as well as adjusting pavement grades and installing concrete gutter to allow for positive drainage. Two driveway aprons will be replaced to maintain positive drainage. The mid block gutter line elevations will remain the same as existing conditions but other gutter elevations and road centerline elevations may be elevated up to four inches to maintain consistent gutter slopes as well as cross slopes.

**Haven/West Alley (16<sup>th</sup> Street to 15<sup>th</sup> Street)** – The work on this alley consists of but not limited to the following: resurfacing of the road surface as well as adjusting pavement grades so that storm water will drain to 16<sup>th</sup> Street and 15<sup>th</sup> Street. Limits of paving will meet into the recently resurfaced portion of the alley that was completed as a part of the Peter Lumber development.

AJC

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