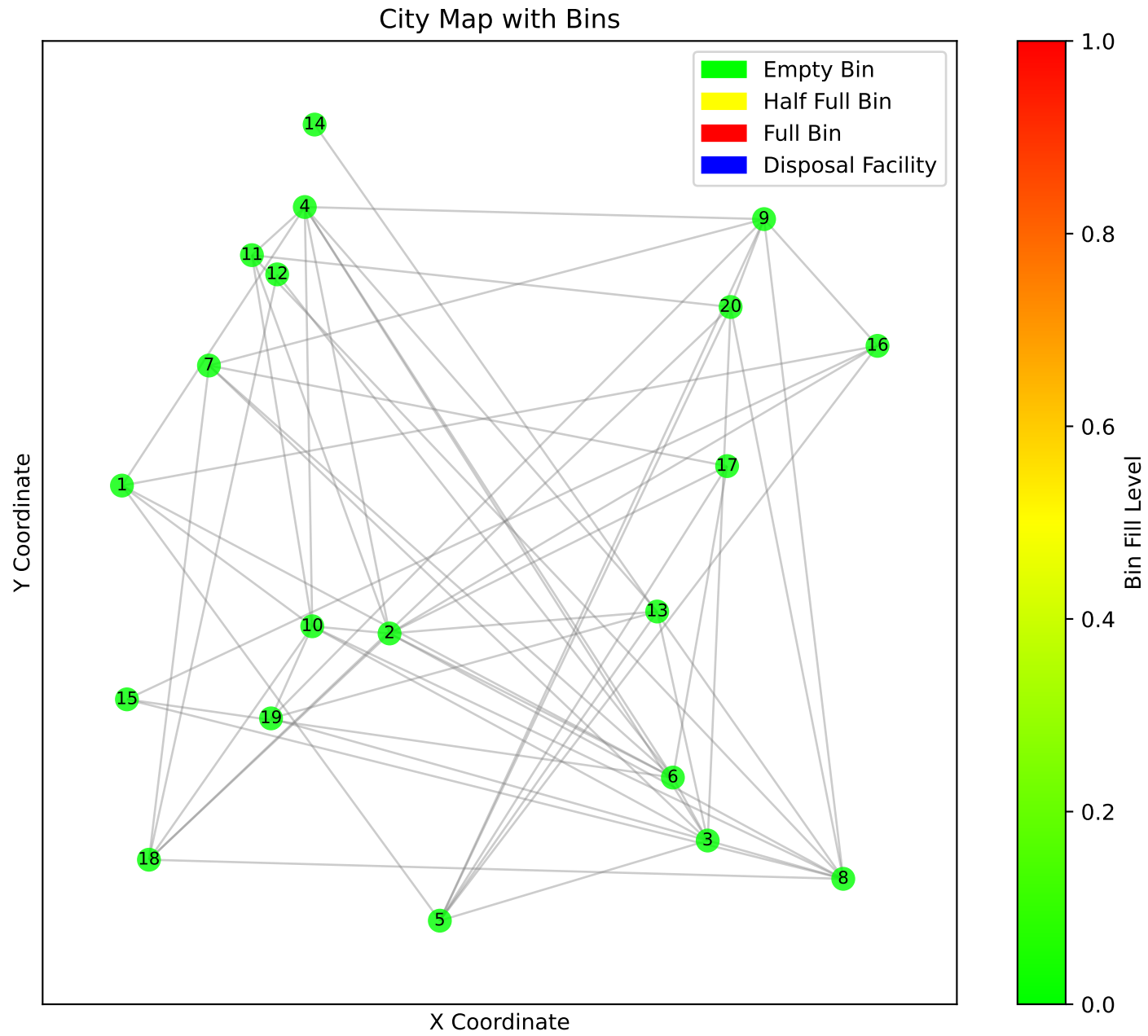


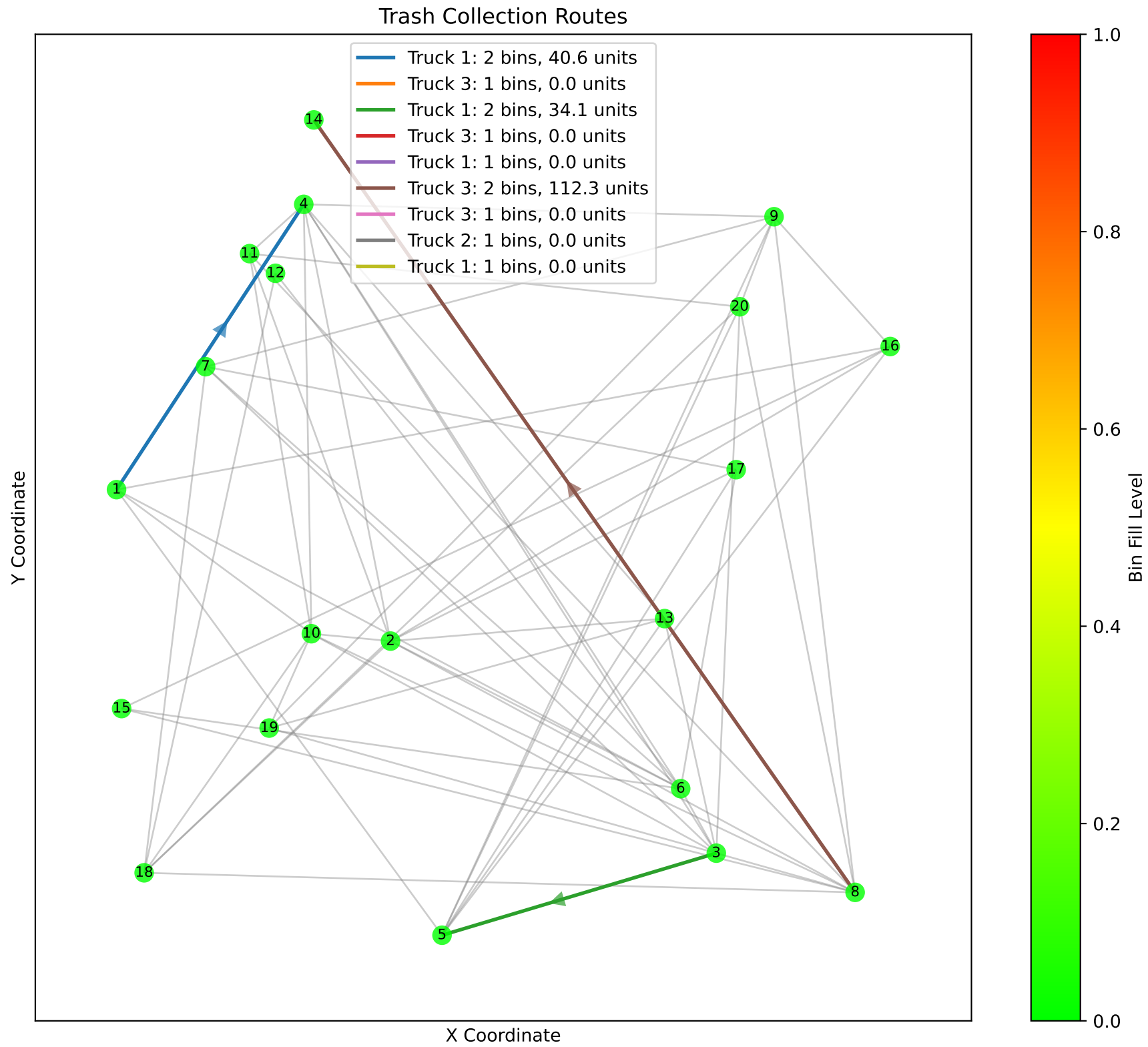
# Smart Trash Truck Routing Python Implementation Test Report

Generated on: 2025-05-05 03:58:23

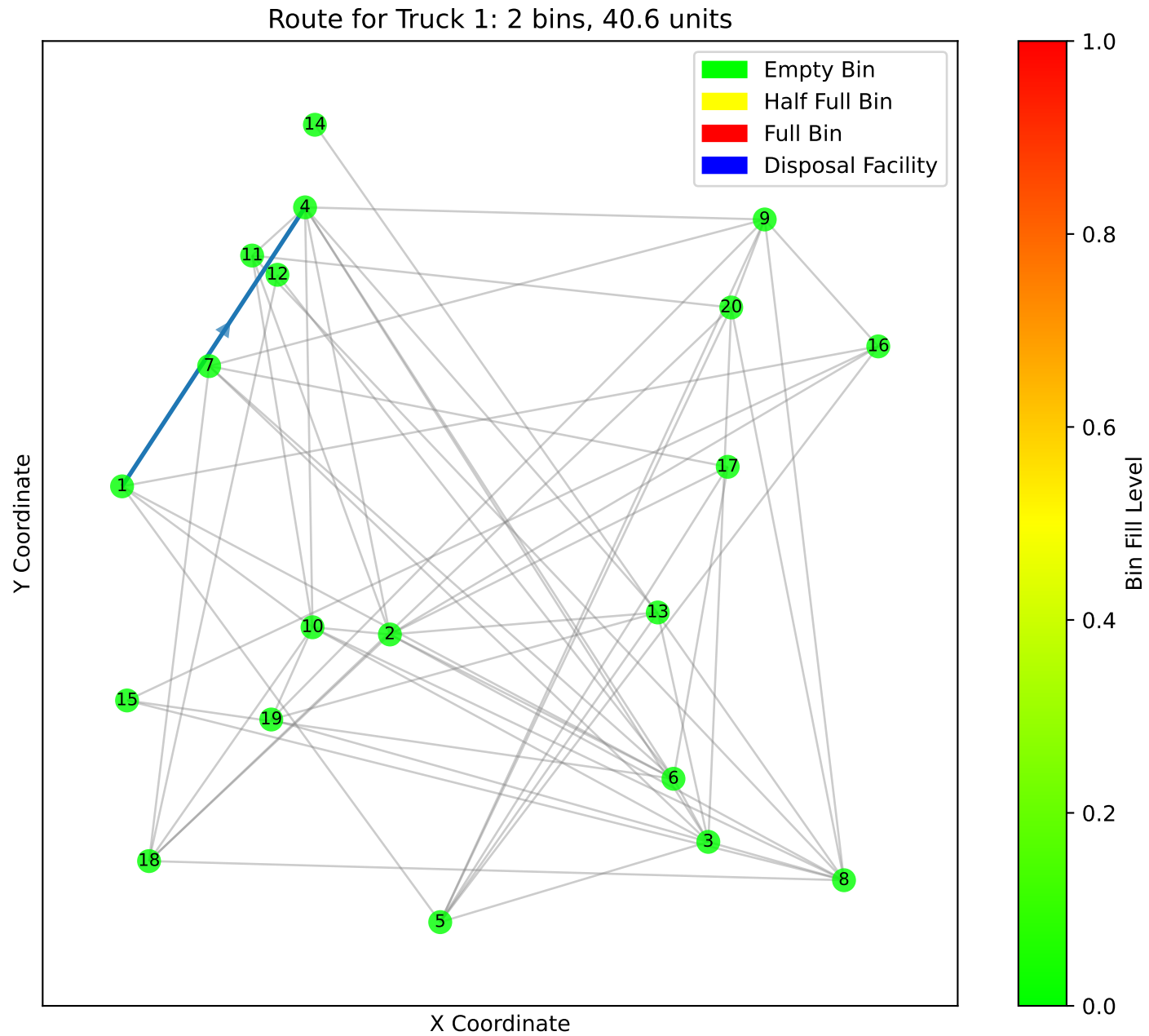
# City Map



# Optimized Routes

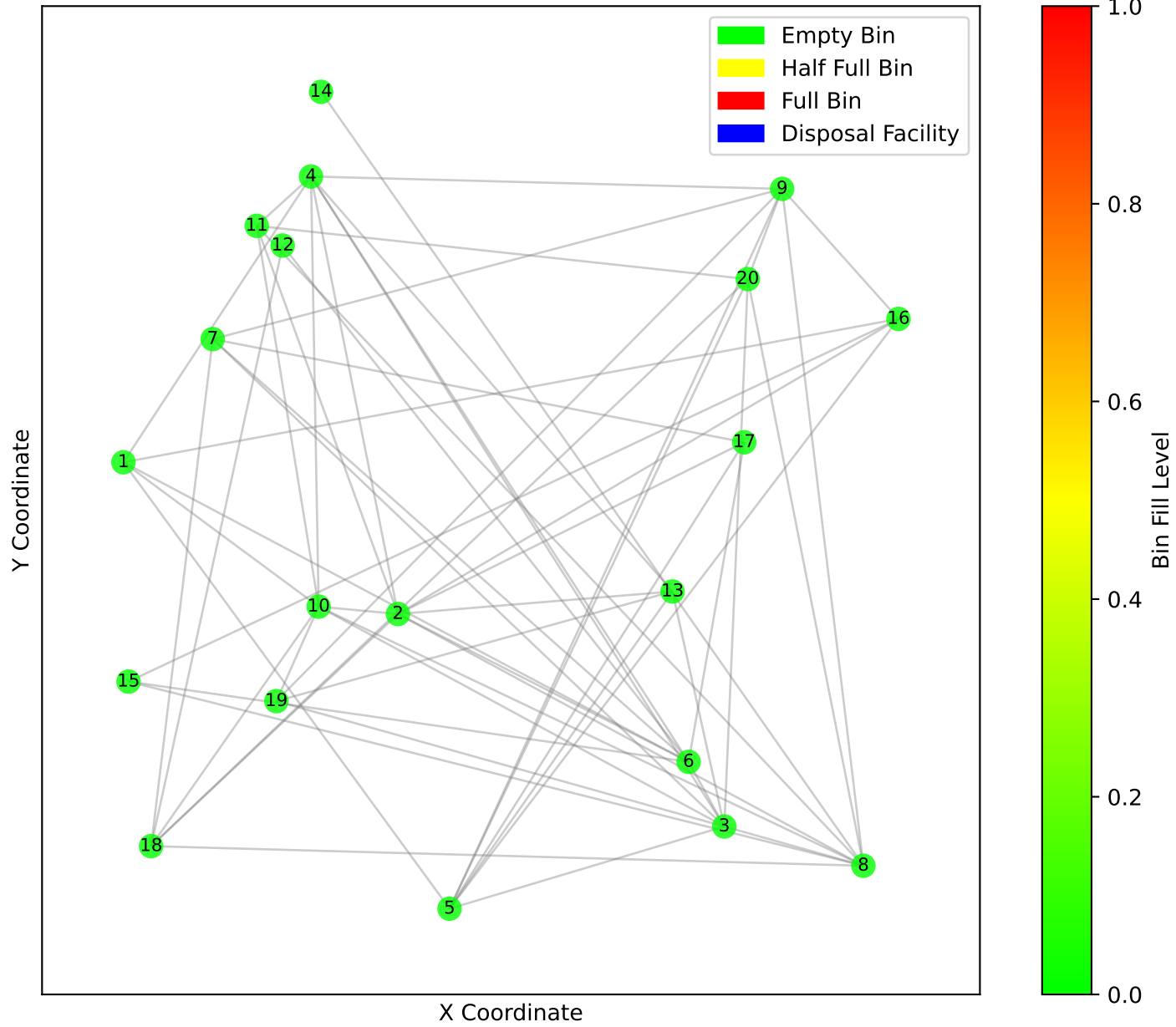


# Route 1

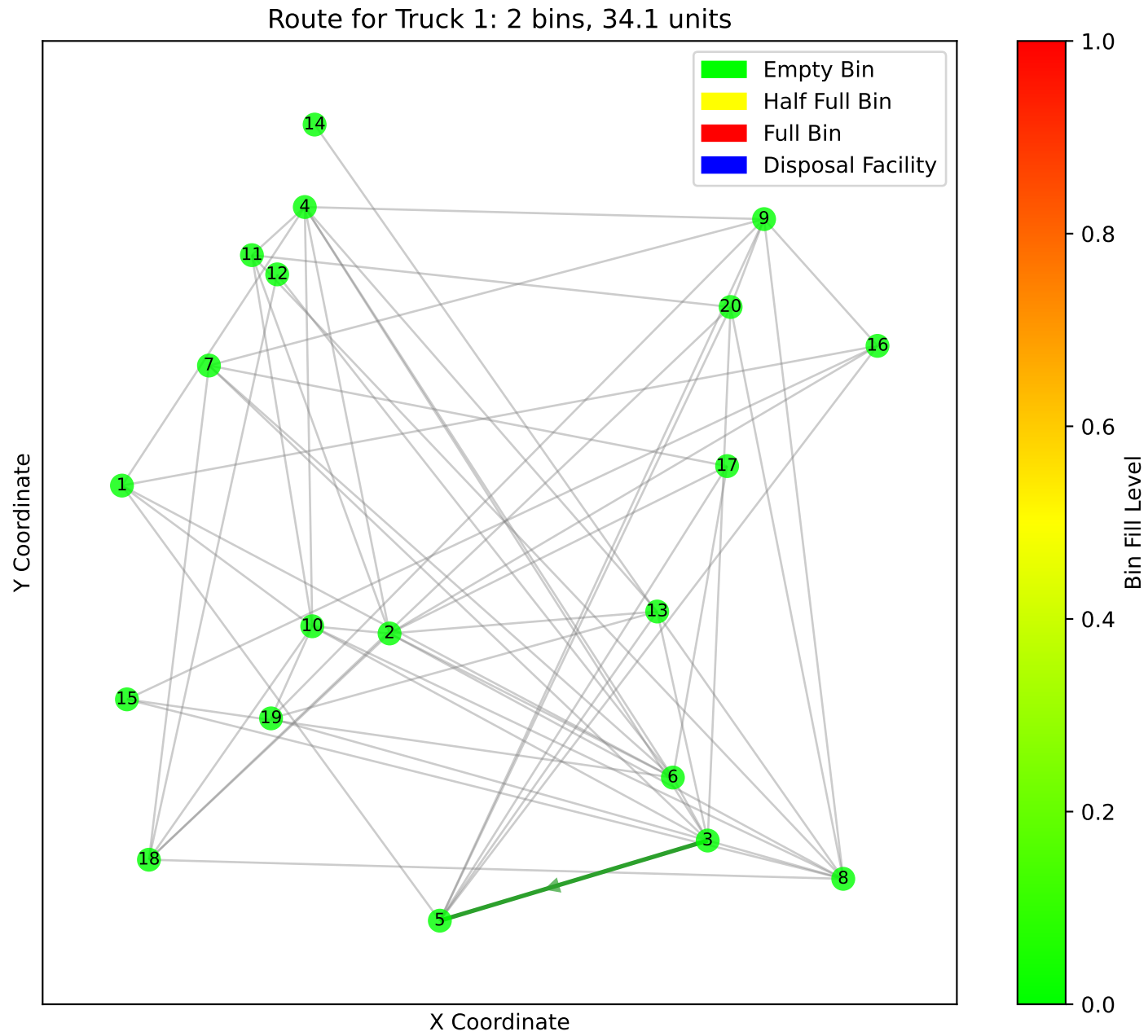


# Route 2

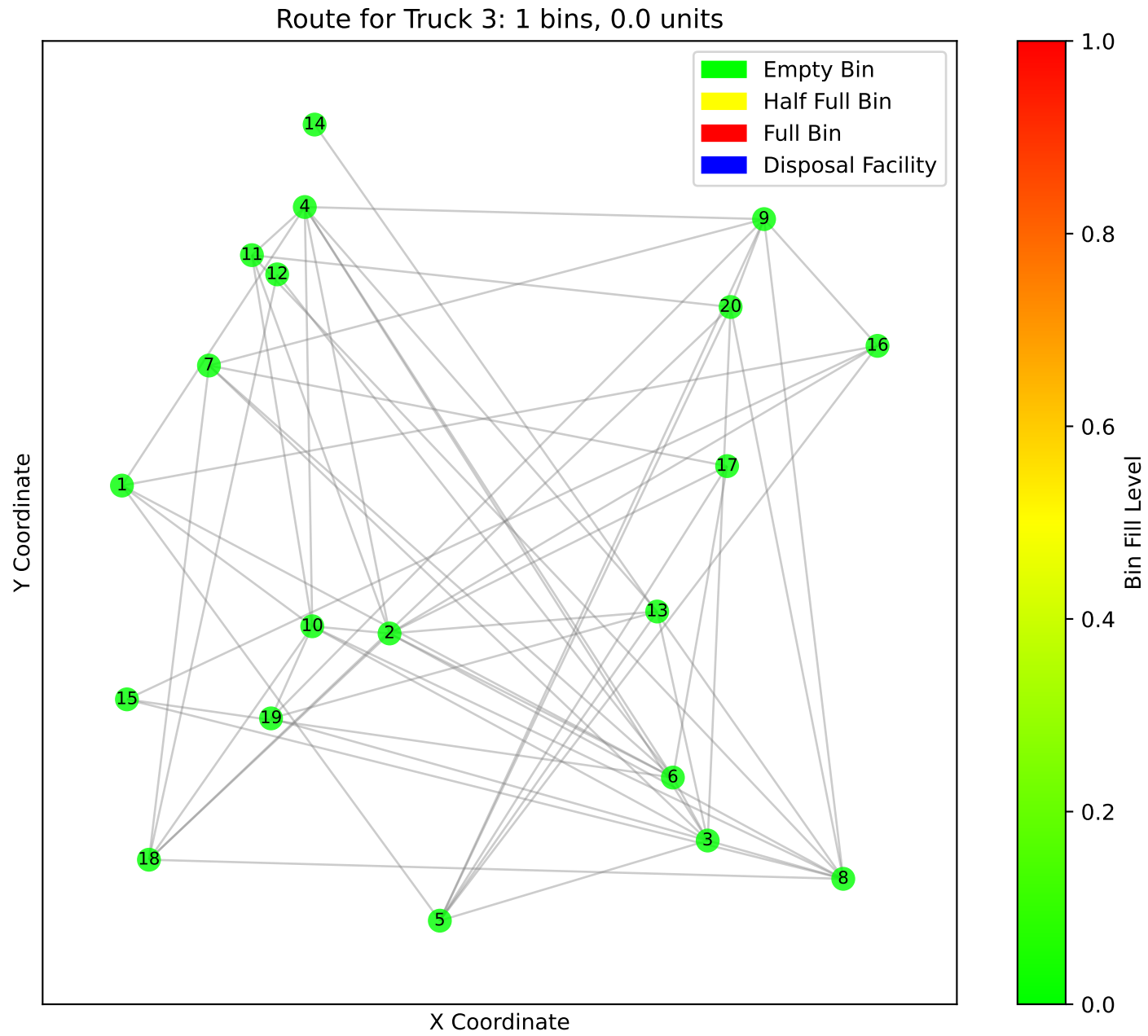
Route for Truck 3: 1 bins, 0.0 units



# Route 3

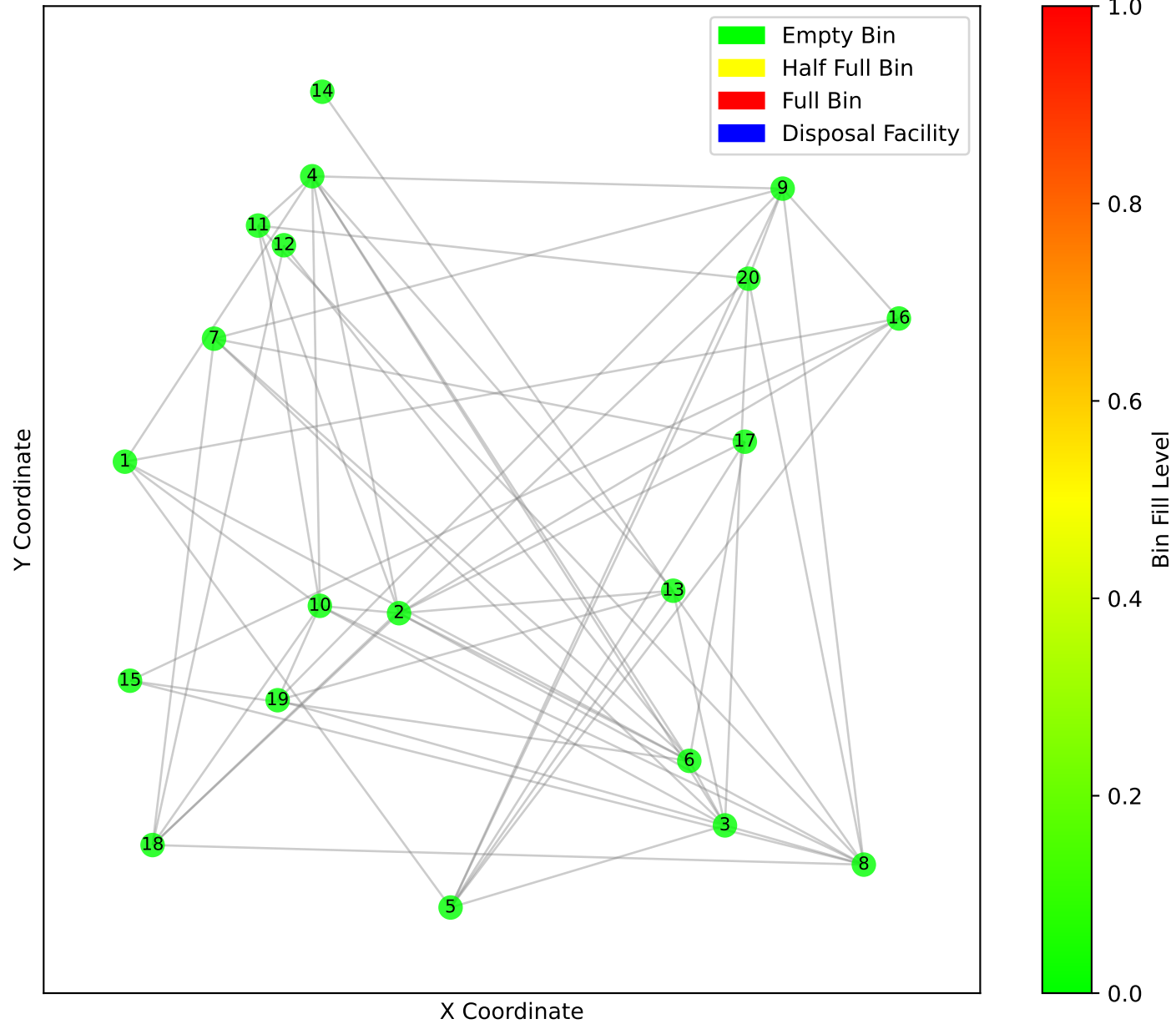


# Route 4



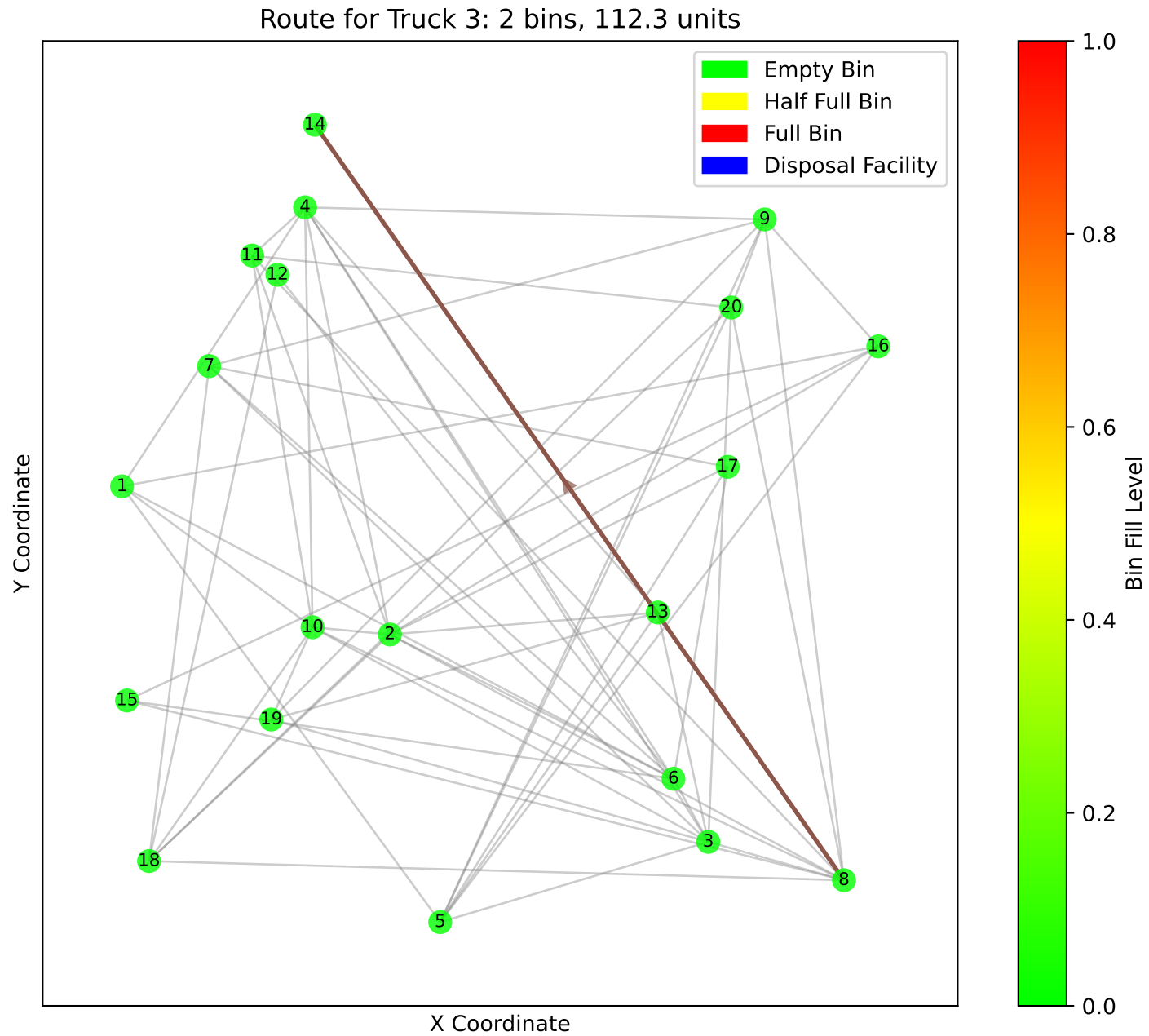
# Route 5

Route for Truck 1: 1 bins, 0.0 units



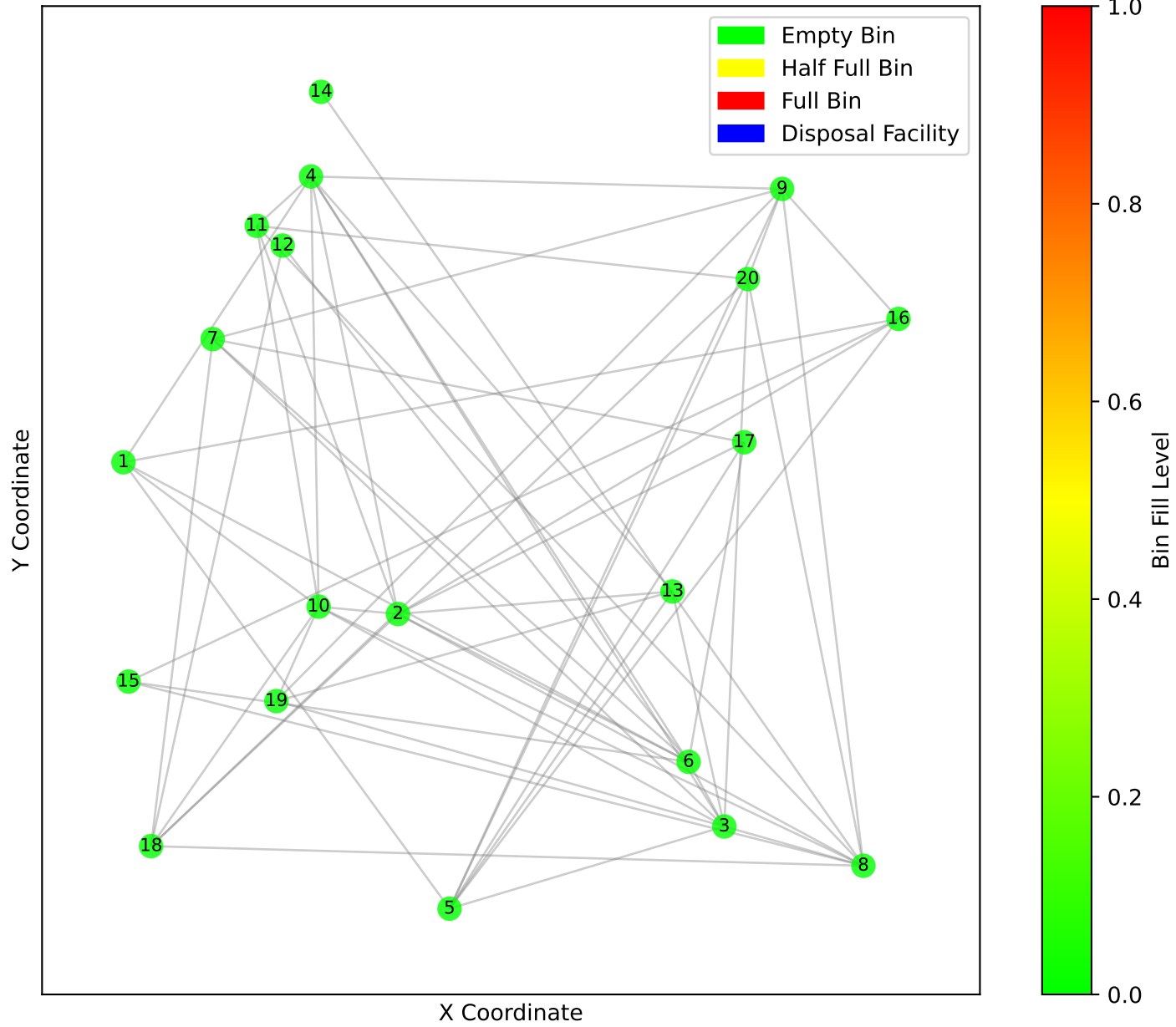


# Route 6



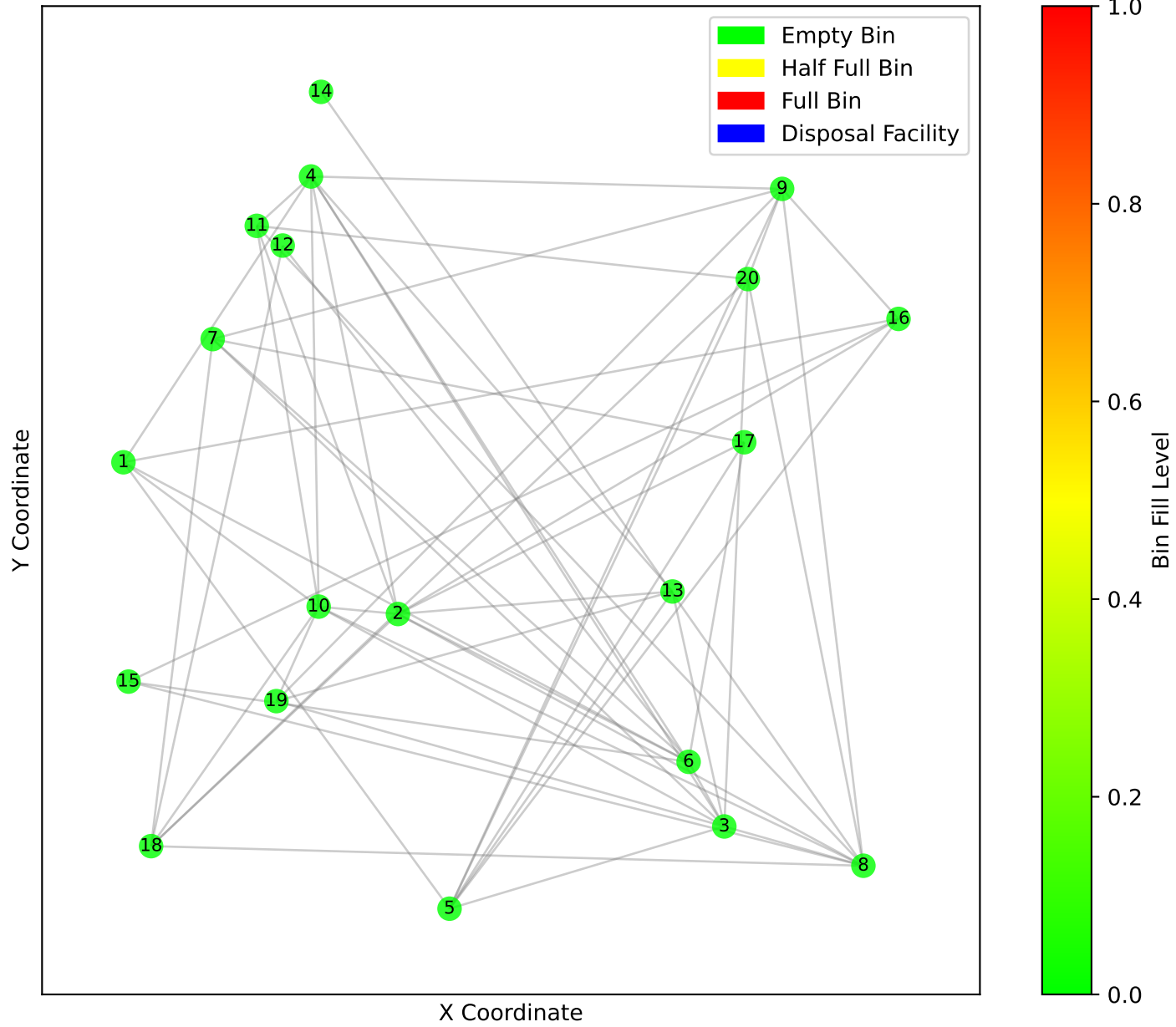
# Route 7

Route for Truck 3: 1 bins, 0.0 units



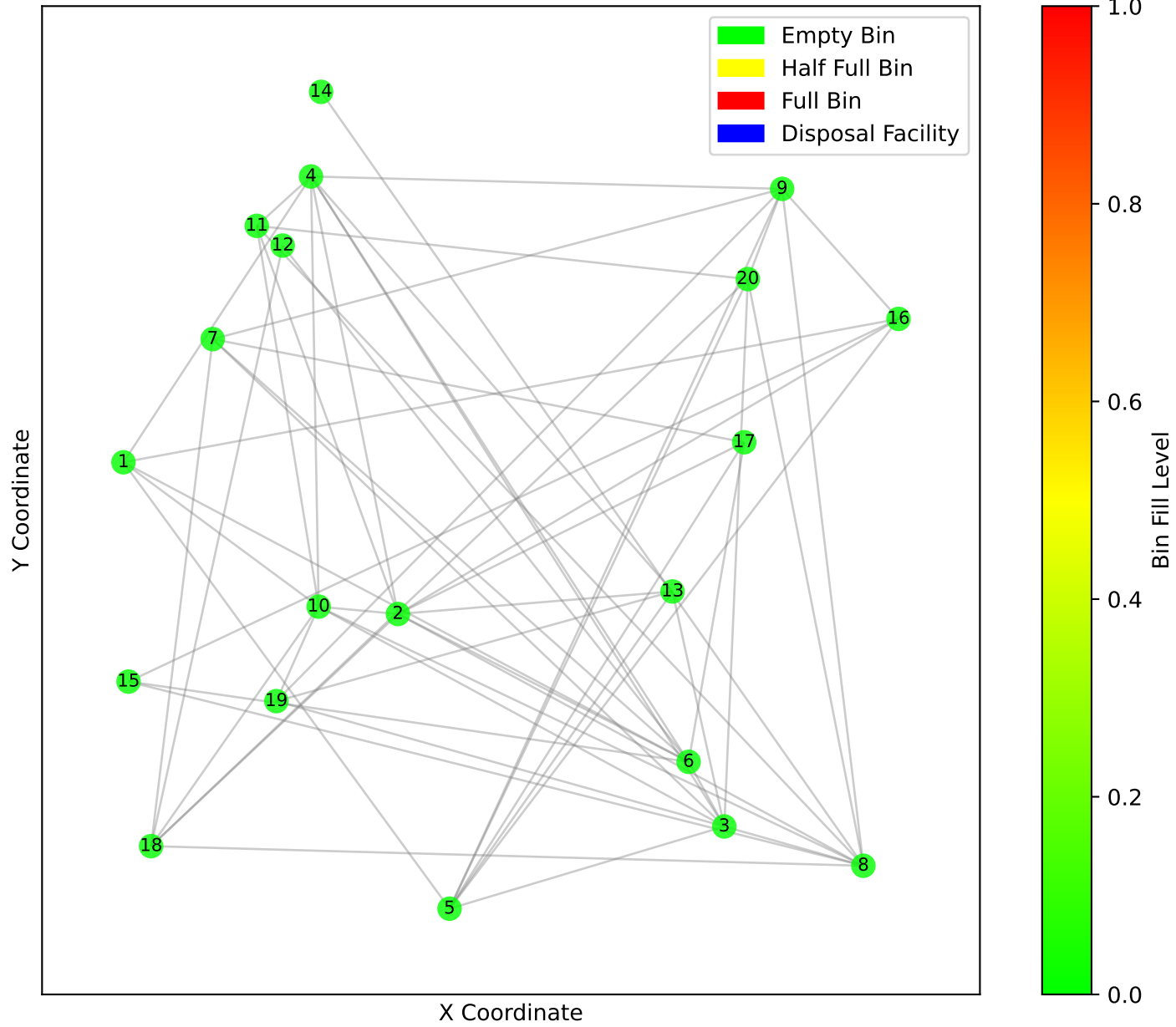
# Route 8

Route for Truck 2: 1 bins, 0.0 units

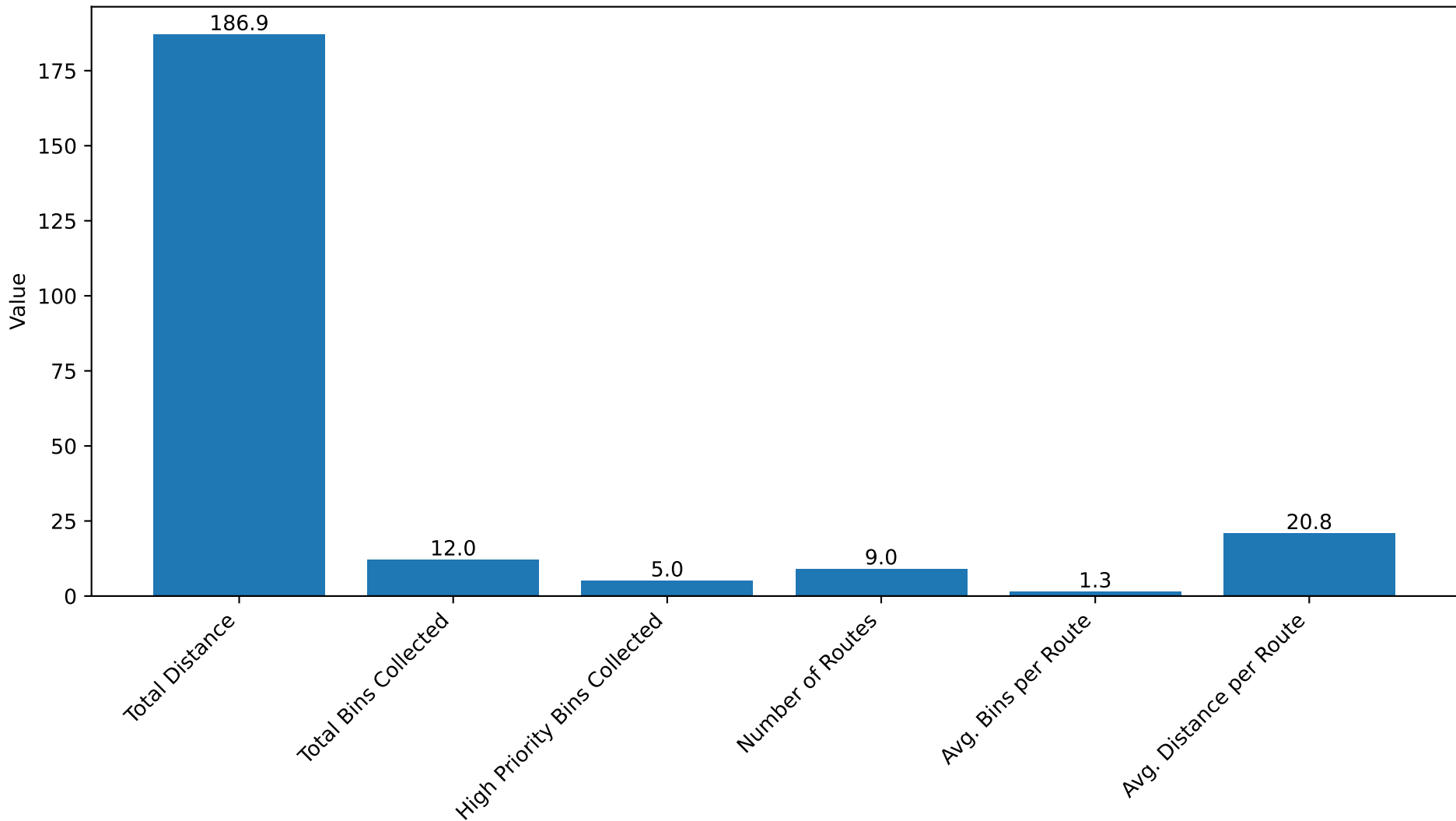


# Route 9

Route for Truck 1: 1 bins, 0.0 units



# Route Metrics



# Metrics Report

Route Optimization Metrics Report  
=====

Route Statistics:  
Total Routes: 9  
Total Distance: 186.94 units  
Estimated Fuel Consumption: 18.69 liters