## **Output Screenshot**

```
High-Traffic Locations Today:E F
Location S has garbage level: 0
Location A has garbage level: 14
Location B has garbage level: 10
Location C has garbage level: 86
Location D has garbage level: 75
Location E has garbage level: 22
Location F has garbage level: 90
Location G has garbage level: 98
*-*-*-**-*-*-*-*-*
          Please enter a command:
      ( 1 ) Multiple Route Generation
      ( 2 ) Single Route Generation
      (3) Print Map
      (9) Exit
```

*-*-*-**-*-*-*-*			
* Please enter a command:			
*	ŧ	*	
* (1) Floyd-Warshall Rotue	M		Α
*	ŧ	*	
* (2) Djikstra Route		*	
*	· R		Z
* (9) Return to Main Menu	*		*
*	:	*	
l e e e e e e e e e e e e e e e e e e e			

```
Floyd-Warshall | 60% Garbage Level | <40km
----*Location C*-----
Start:
S -> D -> E -> C
Return
S -> A -> S
Distance from Station: 9.5 km
Total Distance Inc Return: 20.5 km
Total Fuel Cost: $6.83
Total Maintenance Cost: $14.35
Total Labor Cost: $5.12
Total Time: 1.02 hours
-----*Location D*----
Start:
S -> D
Return
S -> S
Distance from Station: 5.00 km
Total Distance Inc Return: 10.00 km
Total Fuel Cost: $3.33
Total Maintenance Cost: $7.00
Total Labor Cost: $2.50
Total Time: 0.50 hours
-----*Location F*----
Start:
S -> D -> E -> C -> F
Return
S -> D -> S
Distance from Station: 11.50 km
Total Distance Inc Return: 24.00 km
Total Fuel Cost: $8.00
Total Maintenance Cost: $16.80
Total Labor Cost: $6.00
Total Time: 1.20 hours
-----*Location G*-----
Start:
S -> A -> B -> G
Return
S -> B -> A -> S
Distance from Station: 19.00 km
Total Distance Inc Return: 38.00 km
Total Fuel Cost: $12.67
Total Maintenance Cost: $26.60
Total Labor Cost: $9.50
Total Time: 1.90 hours
       ( Y ) Return to Main Menu
       ( N ) Exit
```

Process returned 0 (0x0) execution time: 78.311 s Press any key to continue.

```
Generated Djikstra | 40% Garbage Level | <20Km
----*Location C*--
Route to location:
S -> D -> E -> C
Return route:
C -> A -> S
Distance from Station: 9.50 km
Total Distance Inc Return: 20.50 km
Total Fuel Cost: $6.83
Total Maintenance Cost: $14.35
Total Labor Cost: $5.12
Total Time: 1.02 hours
-----*Location D*-----
Route to location:
S -> D
Return route:
D -> S
Distance from Station: 5.00 km
Total Distance Inc Return: 10.00 km
Total Fuel Cost: $3.33
Total Maintenance Cost: $7.00
Total Labor Cost: $2.50
Total Time: 0.50 hours
 -----*Location F*----
Route to location:
S -> D -> E -> C -> F
Return route:
F -> D -> S
Distance from Station: 11.50 km
Total Distance Inc Return: 24.00 km
Total Fuel Cost: $8.00
Total Maintenance Cost: $16.80
Total Labor Cost: $6.00
Total Time: 1.20 hours
     --*Location G*----
Route to location:
S -> A -> B -> G
Return route:
G -> B -> A -> S
Distance from Station: 19.00 km
Total Distance Inc Return: 38.00 km
Total Fuel Cost: $12.67
Total Maintenance Cost: $26.60
Total Labor Cost: $9.50
Total Time: 1.90 hours
       ( Y ) Return to Main Menu
       ( N ) Exit
```

```
--->50%---|A* Route|---50.00Km---

Route: S -> D -> E -> C -> F -> G -> B -> A -> S

Distance from Station: 22.75 km

Total Distance Inc Return: 41.75 km

Total Fuel Cost: $13.92

Total Maintenance Cost: $29.22

Total Labor Cost: $10.44

Total Time: 2.09 hours

* (Y) Return to Main Menu *

*------*

* (N) Exit *
```