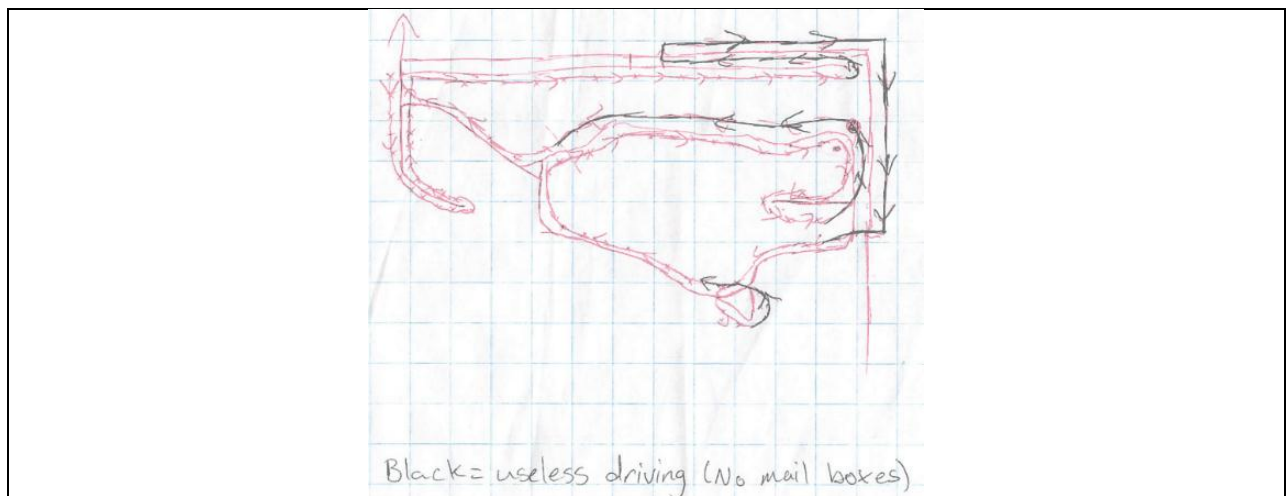


Our Math Theory and Problem Solving class retrieved information on the current delivery route from the local Postmaster.

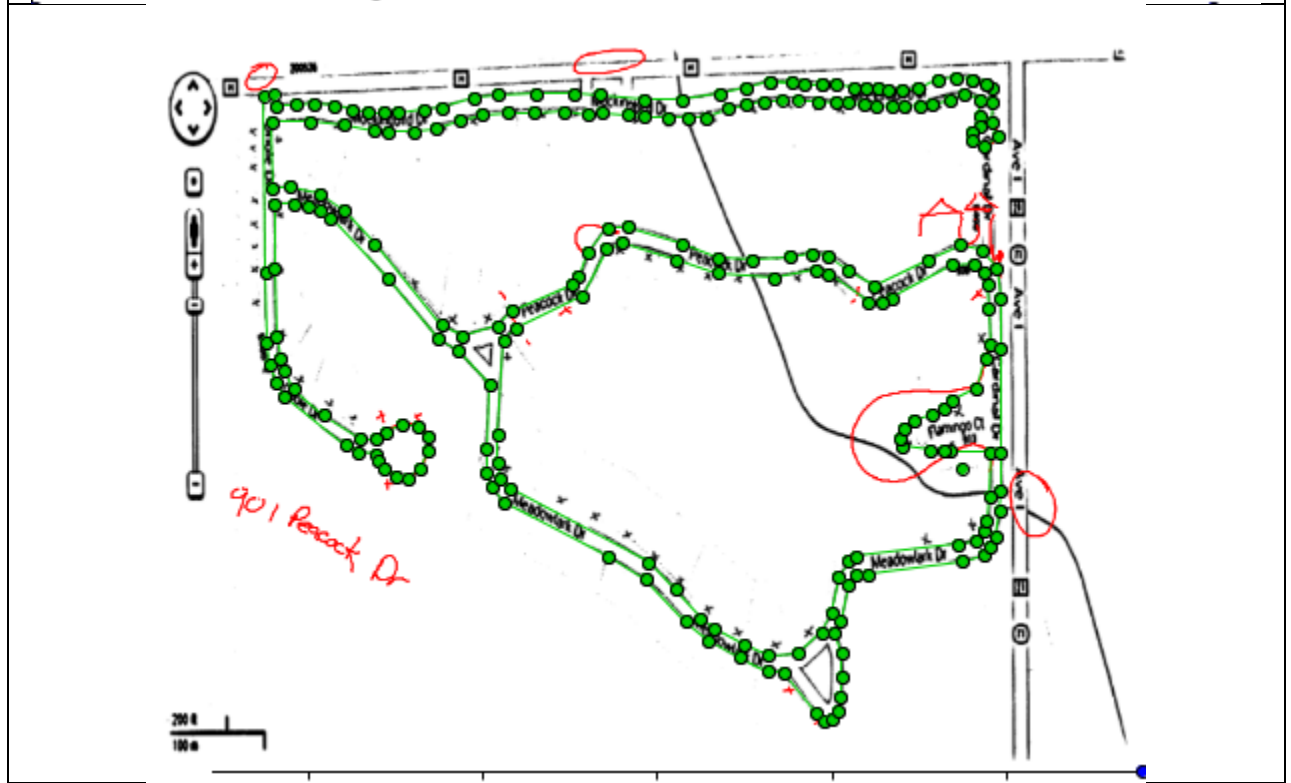
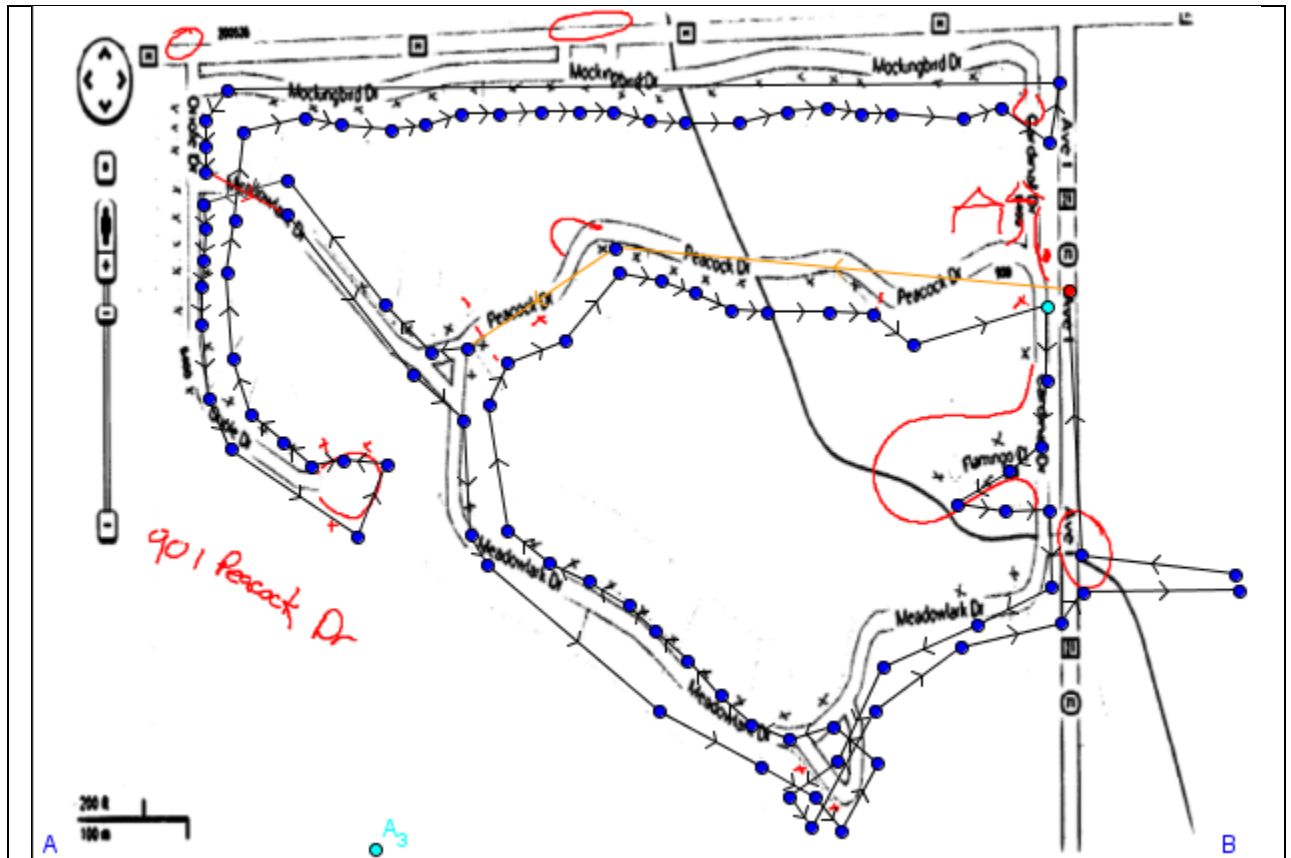
Line:	Description:	Boxes:	Miles:
81	R ON CR 20 TO HIGHLAND DR	0	0.10
82	R ON HIGHLAND TO SUMMIT	22	0.20
83	L ON SUMMIT TO KINGSGATE	1	0.10
84	L ON KINGSGATE TO CR 20	20	0.30
85	R ON CR 20 TO HILLTOP	0	0.10
86	R ON HILLTOP & RETRACE	9	0.50
87	R ON CR 20 TO AVE H	10	0.60
88	L ON AVE H TO ORIOLE	0	0.50
89	R ON ORIOLE TO MEADOWLARK	17	0.30
90	R ON MEADOWLARK & RETRACE TO PEACOCK	0	0.20
91	L ON PEACOCK TO CARDINAL	7	0.40
92	R ON CARDINAL TO FLAMINGO	4	0.20
93	R ON FLAMINGO & RETRACE TO CARDINAL	5	0.10
94	R ON CARDINAL TO MEADOWLARK	0	0.20
95	R ON MEADOWLARK TO ORIOLE	22	0.50
96	R ON ORIOLE TO MOCKINGBIRD	11	0.20
97	R ON MOCKINGBIRD & RETRACE	8	0.60
98	R ON AVE H TO AVE I	0	0.20
99	R ON AVE I TO BLUE JAY	0	0.70
100	R ON BLUE JAY & R ON CARDINAL & RETRACE	11	0.40
101	R ON BLUE JAY & RETRACE	7	0.40

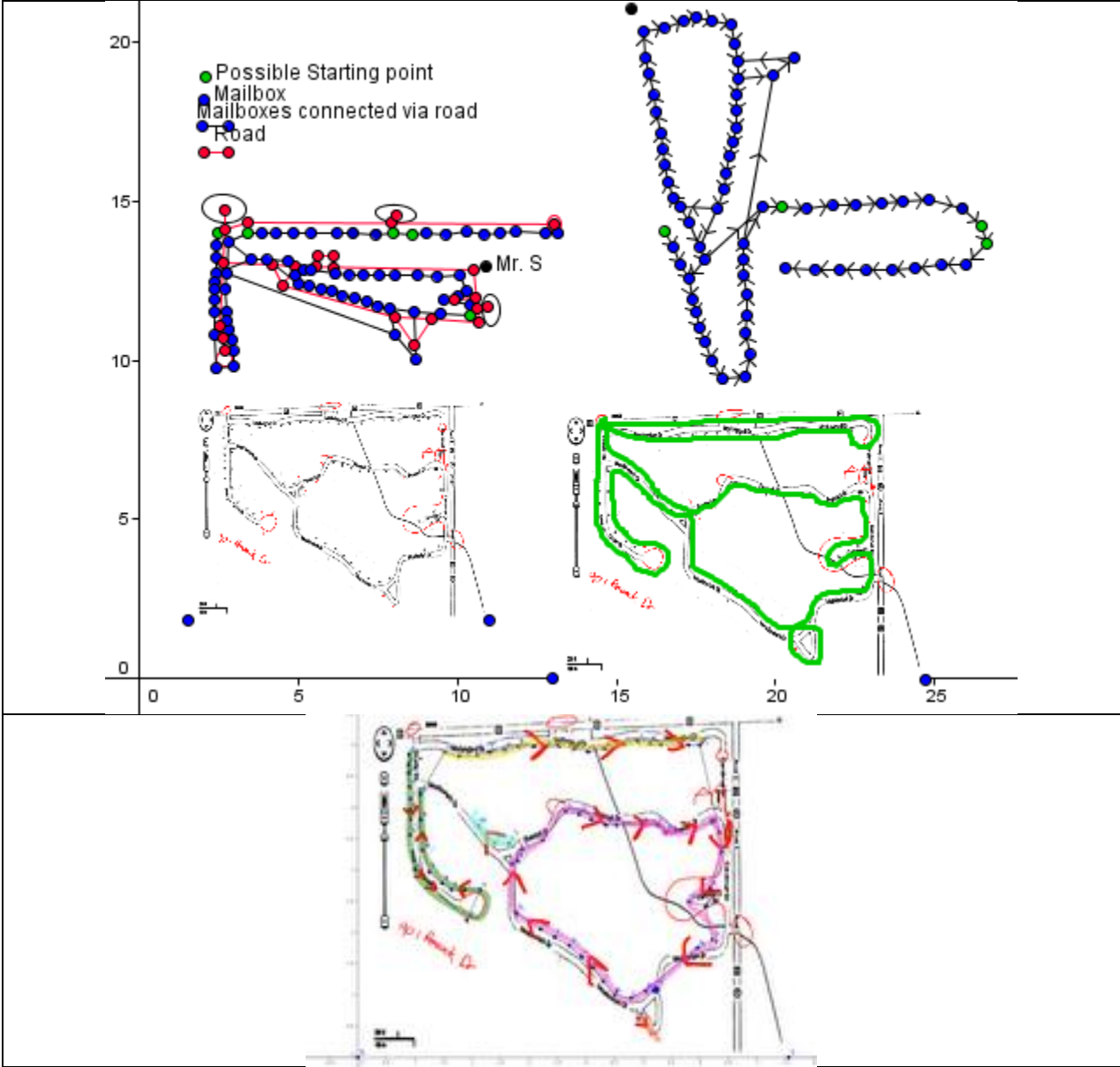
4.4 MILES

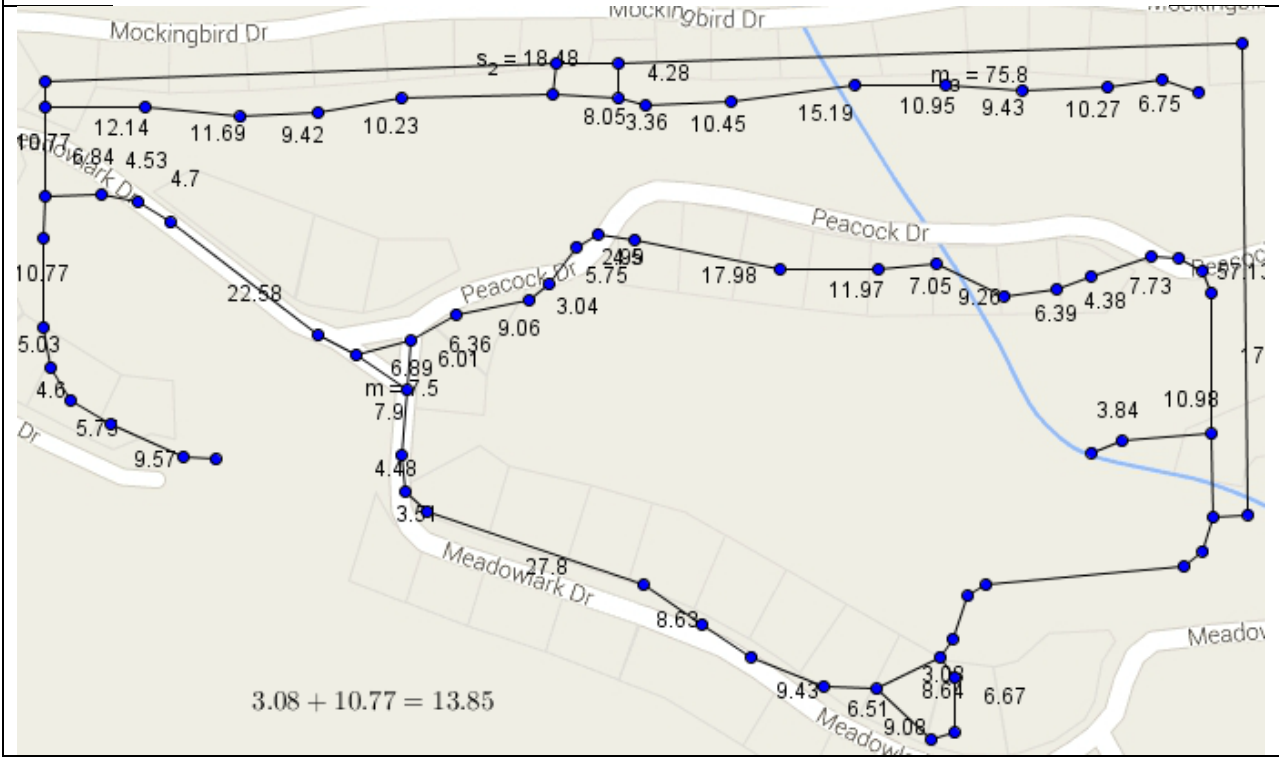
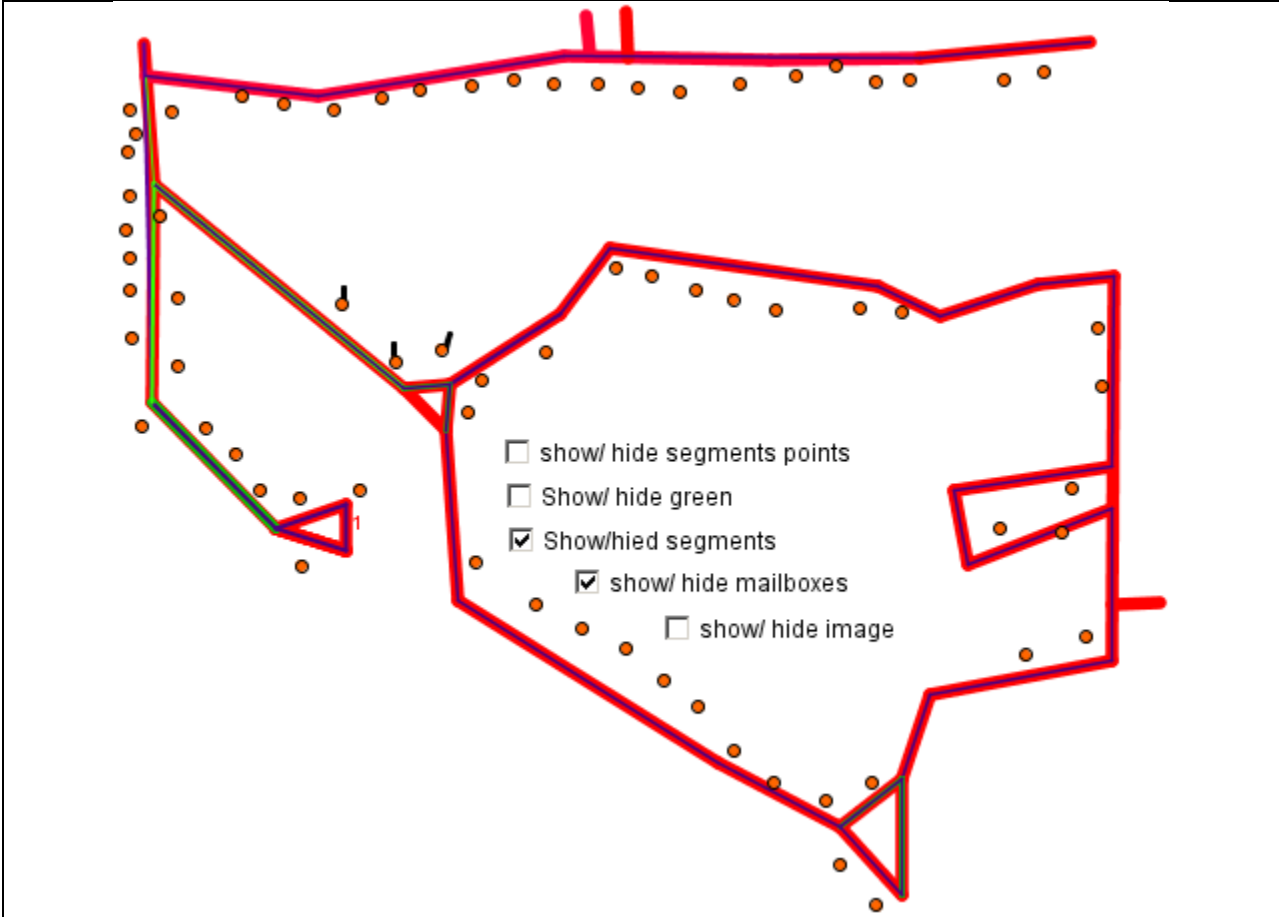
The current route has a total driving distance of 4.4 miles. Our entire class experimented with different routes to find the shortest driving distance. Examples of student work appear below.











The route we propose has a driving distance of 3.1 miles, but it includes an additional .39 miles to return to the post office. The total driving distance for the proposed route is 3.49 miles.



**This saves the post office roughly 1 mile per day.** Saving 1 mile per day would improve daily driving distance by 25%. Assuming 300 delivery days per year, and assuming the delivery truck gets 20 miles per gallon, the proposed delivery route would save over 15 gallons of fuel annually.

**Respectfully submitted,**

**Mr. Aaberg's Mathematical Theory & Problem Solving Class**

Andrew

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Ryan

Tyler

Nikolas

Kyle

Matthew

Taylor

Brady