broccoli bike
current mattapan farm stand

500 pounds without fruit!

Source: Mattapan Food & Fitness Coalition
questions for sketch model

1. Stable display shelves?

2. Modular, flexible system?
collapsible stand
results

- Four bar linkages better than pistons, sliders
- Determined pivot mechanism
next steps

- weight balancing
- waterproofing
- module attachment
## benchmarking

<table>
<thead>
<tr>
<th></th>
<th>Current Mattapan Bike</th>
<th>Broccoli Bike</th>
</tr>
</thead>
<tbody>
<tr>
<td>Empty weight</td>
<td>500 lbs</td>
<td>~200 lbs</td>
</tr>
<tr>
<td>Size</td>
<td>48”x48”x24”</td>
<td>50”x20”x20”</td>
</tr>
<tr>
<td>Loading capacity</td>
<td>~400 lbs</td>
<td>~400 lbs</td>
</tr>
</tbody>
</table>

Source: Mattapan Food & Fitness Coalition
market estimation

Bikes, parts, accessories market: $1.1 B

Street vendors, U.S. market: $540 M

Source: IBISWorld