Plastic Passenger Seating Procurement
Type 1, 2 and 2.5 Light Rail Vehicles

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Light Rail Vehicle Maintenance

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Project Justification

- Problem Statement
- Statistics
- Solution
- Quantities
Problem: Cloth Seat Maintenance

• Cleaning and replacement
  – Proper cleaning and hygiene require frequent replacement and re-covering of current cloth seat inserts.

• Appearance
  – Stained seating requires new fabric covering.

• Labor
  – Seat bottoms and backs must be removed from the train to be cleaned and then dried. This is a labor intensive process.
Rate of incidents requiring special cleaning onboard Light Rail Vehicles has increased over time.

**Annual Maintenance Commitment**
- Labor Hours: 1,664
- Seats (Material Recovering): 3,892
Solution: Plastic Seats

• Less labor and material to maintain
  – Easily wiped down to both clean and disinfect.
  – Does not need to be removed from vehicle to perform cleaning.

• Greatly improves customer comfort
  – Easier to assess the cleanliness of seat before sitting.
  – Piloted plastic seating on 6 Blue Line Vehicles—favorable customer feedback
Plastic Seat Example Comparison

Sample plastic seat back against current cloth seating
# Part Quantities

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th># of Vehicles</th>
<th>Seat Backs</th>
<th>Seat Bottoms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 1</td>
<td>27</td>
<td>1,980</td>
<td>1,980</td>
</tr>
<tr>
<td>Type 2/2.5</td>
<td>64</td>
<td>4,544</td>
<td>4,544</td>
</tr>
<tr>
<td>Type 3</td>
<td>27</td>
<td>180</td>
<td>180</td>
</tr>
<tr>
<td><strong>Total Pieces</strong></td>
<td></td>
<td><strong>13,408</strong></td>
<td></td>
</tr>
</tbody>
</table>
Outcome

Seeking approval to award contract to Visual Productions Group, Inc. for $1.8M to manufacture plastic Light Rail Vehicle passenger seating.