Rail/ Wheel Interface
Project Tampa

Presented by:
Eric M. Sitiko
TECO Line Streetcar
RAIL/ WHEEL REPORT

BY ZETA-TECH

Beginning...

Review of Wheel/Rail Interface
TECO Line Streetcar System

For:
The Hillsborough Area Regional Transit Authority (HART)

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Sincerely yours,
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Wheels before machining
Wheel Profile Design Stage
Wheel Profile Design Stage

56.5" (Tangent Track Gauge)
56.062" (New Wheel Gauge)
55.5" (Old Wheel Gauge)
53.75" (New Wheel B-to-B)
53.1614" (Old Wheel B-to-B)

1 3/4' Gap
1 5/8' Gap
1.5' Gap
Wheel Profile Design Stage
Wheel Profile Comparison

- Gage point = 56.062'
- Red = Existing Profile
- Blue = New Profile
- New Back to Back 53.75' (+0, -0.02)
- Yellow = Minimum Usable Tire 1' Thick
- approx 0.323
- 4.309
- 2.622
Wheel Profile- AEREA A

Not less than $\frac{1}{16}$"
Wheel Profile Machine Shop
Wheel Profile Machine Shop
Wheel Profile Testing
Wheel Profile Testing
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After initial 60 mile testing period
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