# Shuttle Service Errors

Rec'd.
JUL 10 2001

| **Gorove Slade Error 1:** | **Corrected** |
|---|---|
| **200** Vehicles Trips | 200 Vehicle Trips<br>less<br>39 faculty/ staff vehicle trips<br>27 Metro trips due to subsidy<br>4 shuttle trips<br>**130** Total student vehicle trips inbound |

**Grove Slade Error 2:**

- The plan assumes 85% of students who come from the north, east, and west can take shuttle.

*Target Shuttle Audience*:

200 * .85 = **170** vehicles **Corrected:** 130*.85 = **110** vehicles

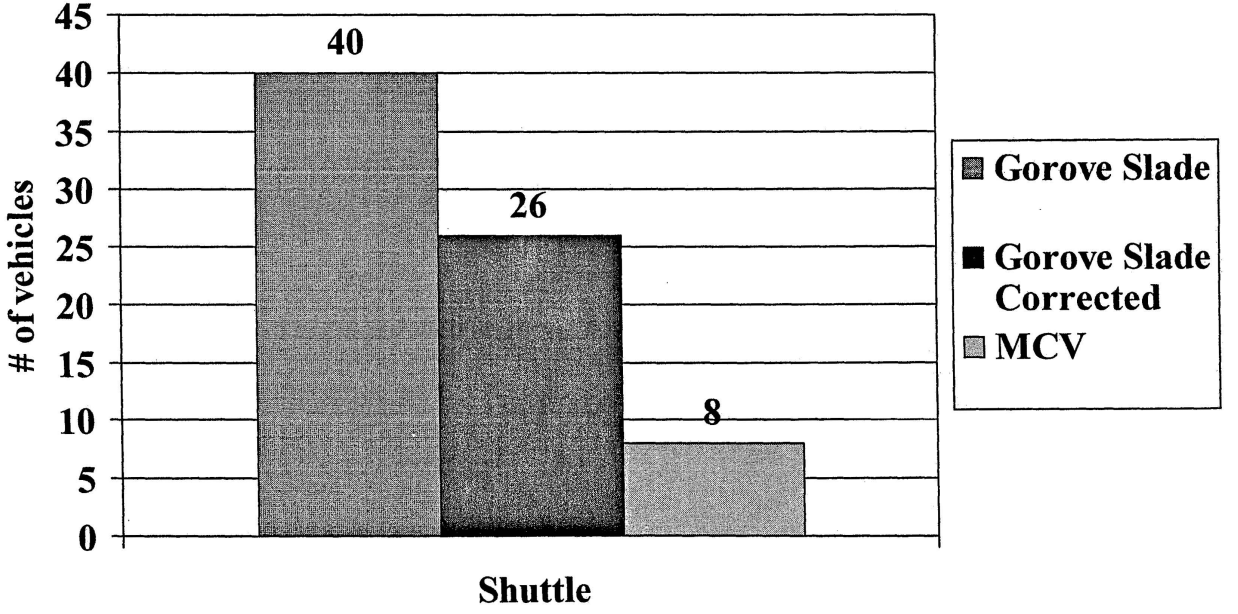
- Gorove Slade assumes a 24% vehicle reduction

(170 target vehicles * .24) = **40** vehicles **Corrected** (110 target vehicles * .24) = **26** vehicles

BZA
Case No. 16611
Exhibit No. 198

Board of Zoning Adjustment
District of Columbia
CASE NO.16611
EXHIBIT NO.198

# Shuttle Service Analysis



## CALCULATION OF EXISTING AUTO OCCUPANCY - EBS

| | | |
|---|---|---|
| Total Students | 299 | |
| Metro from DC | 89 | To School via Metro |
| Metro from VA/MD | 36 | To School via Metro |
| Total Drive Students | 174 | (TOTAL STUDENTS(299)-METRO(89+36)) |
| Total Vehicles AM | 131 | Inbound |
| Auto Occupancy | 1.33 | (students (174)/vehicles (131)) |

# Metrocheck Subsidy Errors

- Gorove Slade analysis states 1 vehicle = 1 student

**Incorrect** – Some students carpool to school
Actual calculation should be based on 1 car = 1.33 students

- Increased VA/MD Metro use from 12% to 22% students

***Gorove Slade Error***

*Currently* 36 students take Metro from VA/ MD out of 299 students

*Proposed Expansion* 44 students will take Metro from VA/ MD out of 360 students

*With the $1.10 Metro Subsidy:* 36 additional students will shift to Metro
Total 80 students on Metro from VA/MD

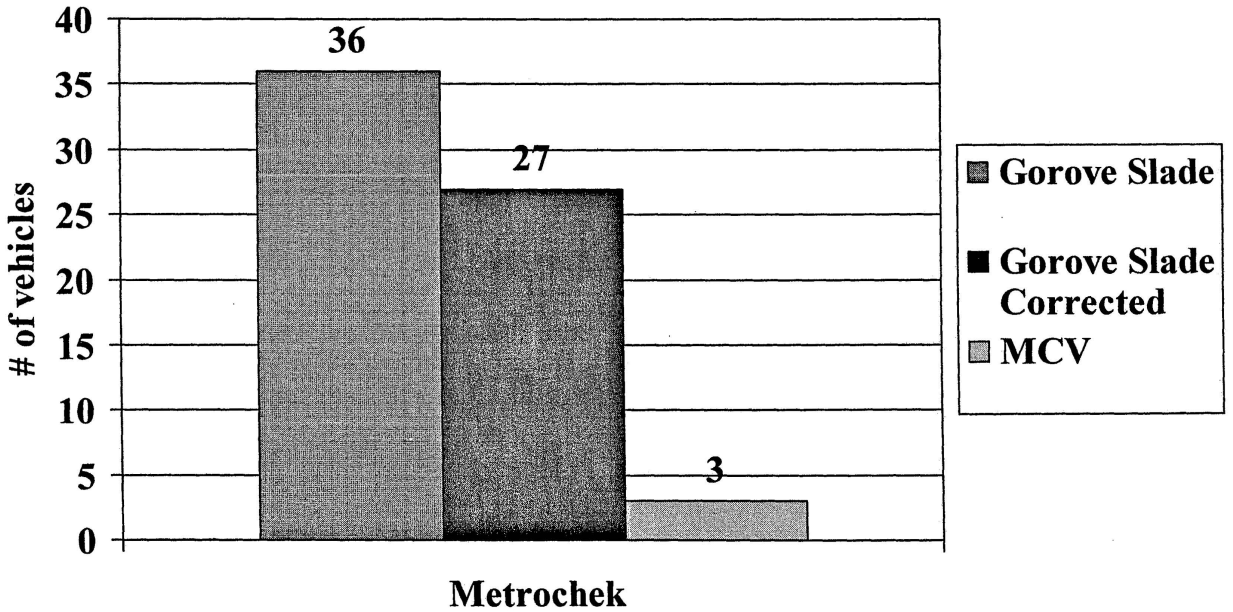
**36 students from VA/ MD on Metro subsidy = 36 vehicle reduction**

***Corrected Analysis Using Gorove Slade Assumptions***
One vehicle = **1.33** students
Corrected number using their formula is **27** vehicle reduction

**Other problems with Metrochek Susidy:**

- The Metro has to be CONVENIENT to the students in VA and MD for them to take.
- Length of time of commute and numerous Metro stops/ line changes
- Insignificant financial incentive (< 1% of total cost of Burke tuition)
- Consideration of the age of the child

# Metrochek Analysis



# Metrochek & Shuttle Service

