



CITY OF No. PW071002-10 **'Y'**

Engineering Division

300 Sixth Street
Rapid City, SD 57701-2724
Telephone: 605-394-5377- 227
FAX: 605-394-6636
Douglas Adelman
dadelman@ci.rapid-city.sd.us

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Re: Fluorescent Yellow/Green School Crossing Signs

BACKGROUND

There have been some customer requests for the eye-catching fluorescent yellow/green signs, particularly in school zones. This request was voiced during a PATH (Pedestrians Avoiding Traffic Hazards) Committee meeting. During this meeting it was requested that the Traffic Engineer prepare a cost estimate for installing the fluorescent yellow/green signs in school zones throughout Rapid City. The following is a summary of that request:

EXISTING CONDITIONS

Rapid City currently uses engineering grade sheeting material when replacing school crossing signs. The engineering grade sheeting material costs approximately \$20 per sign. We currently have 376 school crossing signs as well as 143 "school" plaques (above school speed limit signs).

PROPOSED SIGNS

The requested fluorescent yellow/green sign sheeting is a diamond grade sheeting material that costs approximately \$77 per sign. The fluorescent yellow/green signs are not offered in the engineering grade sheeting material. The standard yellow color is available in the diamond grade sheeting for about \$74 per sign face.

COST SUMMARY

A complete changeover of existing school zone signage to fluorescent yellow/green would cost approximately \$50,000 including materials and labor. If spread out over the next 8 years, the cost would be approximately \$6200 per year. If the same signs were replaced using engineer grade sign sheeting material, the cost would be approximately \$2900 per year. If it is decided to change to fluorescent yellow/green signs, the sign budget needs to be increased accordingly to accommodate the increased costs.

Douglas Adelman, P.E., Project Manager, Traffic/Traffic Engineer



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