STATE OF CALIFORNIA
MINI-MEMO
STD 100-B (REV. 9-70)

TO: Debbie Appelbaum

SUBJECT: Deflection Study on Rte. 127

DATE: 3/30/95

MESSAGE

Please provide me with a Deflection Study for Route 127. This study will be incorporated with the updated Route Concept Report, and to be timely the Study is needed within the upcoming 6 months. Attached are the TIs for the route. Thanks so much!

RETURN TO	SIGNED	ADDRESS	PHONE
	Katy Walton	cc. Deboy, Nash	4691

REPLY

4/7/95
Debbie is submitting Deflection request using 7.5 TI + 9.5 TI > 10 yrs to reflect best case (existing) a worse case (of Grucca is designated) scenarios.

SIGNED	ADDRESS	DATE
►		

SEND PARTS 1 AND 3 INTACT — PART 3 WILL BE RETURNED WITH REPLY

85 93594

STATE OF CALIFORNIA
MINI-MEMO
STD 100-B (REV. 9-70)

TO: Glen Blanset

SUBJECT: TI for Rte. 127

DATE 3/29/95

MESSAGE

Please provide me with the TI (Traffic Index) for Route 127 so I can request a "Deflector Study". It may be appropriate to separate the Shoshone local traffic out from the rest of the route (resulting in 2 T.I.'s) Thanks, Katy

within next couple of weeks would be great!

RETURN TO

SIGNED: Katy

ADDRESS 4691

PHONE

cc: Deboy, Gabriel

REPLY

Conversation @ Katy

use 95 const year @ 10 yr & 20 yr TI's

SIGNED

ADDRESS

DATE 3-30-95

SEND PARTS 1 AND 3 INTACT — PART 3 WILL BE RETURNED WITH REPLY

85 93594

TRAFFIC INDEX CALCULATION SHEET

Request by Walton date 3-29-95 Co I Rte 127 PM 14.7/16.4

Calculated by Blanset date 3-30-95 Location Shoshone

Checked by _____ date _____ EA _____

const yr 95

growth rate 1 %

Two way traf AADT 1300

traf census bk yr 94

Two way truck 14% = 182

Directional Split

_____ nb/eb 71.76 % = 131

_____ sb/wb _____ % = _____

_____ total

1 way truck vol 131

Expansion Factors

5 yrs after const

year 2000 factor 1.0615

10 yrs after const

year 2005 factor 1.1167

vehicle type	%	prsnt avg daly trk 1 dirctn	x expn fctr	= expnd avg daly trk 1 dirctn	x eal 10 yr const	= total EAL
2 axle	18	24	1.0615	25	690	17 271
3 axle	8	10		11	1840	20 469
4 axle	3	4		4	2940	12 265
5 axle	71	93		99	6890	680 250

Total 10 yr EAL 730 255

10 yr TI 8.5

$$\frac{\text{10 yr EAL}}{\text{5 yr exp fctr}} \times \text{10 yr exp fctr} \times 2 = \text{20 yr EAL}$$

$$\frac{730\,255}{1.0615} \times 1.1167 \times 2 = 1\,536\,459 \text{ (20 yr EAL)}$$

20 yr TI 9.5

TRAFFIC INDEX CALCULATION SHEET

Request by Walton date 3-29-95 Co I Rte 127 PM All (except shoul

Calculated by Blanset date 3-30-95 Location _____

Checked by _____ date _____ EA _____

const yr 95

growth rate 1 %

Two way traf AADT 480 ave)

traf census bk yr 94

Two way truck 10% = 48

Directional Split

_____ nb/eb 71.21 % = 34

_____ sb/wb _____ % = _____

_____ total

1 way truck vol 34

Expansion Factors

5 yrs after const

year 2000 factor 1.0615

10 yrs after const

year 2005 factor 1.1167

vehicle type	%	prsnt avg daly trk 1 dirctn	x expn fctr	= expnd avg daly trk 1 dirctn	x eal 10 yr const	= total EAL
2 axle	18	6	1.0615	6	690	4 482
3 axle	6	2		2	1840	3 984
4 axle	2	1		1	2940	2 122
5 axle	74	25		27	6890	184 014

Total 10 yr EAL 194 602

10 yr TI 7.5

$$\frac{\text{10 yr EAL}}{\text{5 yr exp fctr}} \times \text{10 yr exp fctr} \times 2 = \text{20 yr EAL}$$

$$\frac{194\,602}{1.0615} \times 1.1167 \times 2 = 409\,413 \text{ (20 yr EAL)}$$

20 yr TI 8.0