

Memorandum

To : GERALD A. LUNT, Chief
Development Review
District 8

Date : October 29, 1993
File : Yucca Mtn.

From : DEPARTMENT OF TRANSPORTATION
KATY WALTON, Chief
Transportation Planning Branch A - District 9

Subject : Status on Yucca Mountain

Thank you for taking the time to update me on the Fort Irwin expansion today. As I promised you in our telephone conversation here is some of the latest correspondence on Yucca Mountain:

- Third Quarter Summary Activities letter dated October 18, 1993 to Joan C. Sollenberger, Chief, Office of Goods Movement and Commerce, Caltrans, Sacramento from Ken Deboy, DDDP&P, District 9.
- RESULTS OF CALIFORNIA HIGHWAY PATROL HIGHWAY ROUTE CONTROLLED QUANTITY SHIPMENTS OF RADIOACTIVE MATERIALS ROUTING SURVEY dated August 16, 1993 from K. B. Livingston, California Highway Patrol, Hazardous Materials Section to Katy Walton.
- DRAFT Highway 127 Traffic Study, proposed as a joint study, for your review and comments.
- "Marginal Overweight Operating Scenario for DOE's Initiative Highway Casks," paper written by Charles V. Hill, Gene C. Loud, and Anthony C. Heitzman.
- August 15, 1993 Reno Gazette-Journal newspaper article.

I appreciate the opportunity to work with you on looking at potential impacts to Route 127 and co-facilitating with the other agencies involved. Please keep me apprised of the latest developments, as I will you. You can reach me at CALNET 627-0691 or (619) 872-0691.

Sincerely,



F. K. WALTON

Enclosures

cc: Ken Deboy

DEPARTMENT OF TRANSPORTATION

DISTRICT 8, P.O. BOX 231
SAN BERNARDINO, CALIFORNIA 92402
TDD (909) 383-5959

CAL. TRANS. DIST. 8

93 JUL 22 PM 12:15



July 19, 1993

08-SBd-127-11.5/27.0

Commander, National Training Center
Attention AFZJ - DPW (Trout)
Fort Irwin, CA 92310-5000

Dear Mr. Trout:

This will confirm our telephone conversation of July 9, 1993, regarding preliminary and construction engineering costs and "shotgun" project construction cost estimates for construction of six grade separation structures on State Route 127 in conjunction with expansion plans for the Fort Irwin National Training Center.

Total construction costs for the six proposed bridges is \$5,460,000.00 or \$910,000.00 per location. This estimate is based on the rough estimate we made during the field review of the project on June 10, 1993, with the bridge unit cost decreased from \$125.00/ft to \$80.00/ft as determined by Mr. Chuck Yakabe, Caltrans District 8 Structures Liaison Engineer, in a telephone conversation with Gerald Lunt on July 9, 1993. A 20' vertical clearance was assumed as determined during the field review of June 10, 1993, with a girder thickness of 5'2", span length = 94', a roadway width of 34' beneath the structure (hinge point to hinge point) and a road width of 40' for State Route 127, plus an additional 3.5' width on the bridge to accommodate a standard concrete barrier rail on both sides of the bridge. In addition, cost of a reinforced concrete slab was added beneath the bridge to assure that heavy military vehicles would not get bogged down in potentially soft earth beneath the bridge structure. The assumed dimensions of the slab are L=130', W=34', D=12", with two layers of No. 6 rebars at 18" centers.

Preliminary engineering costs, including preparation of a project report, are estimated at 12% of construction costs, as determined by Mr. Norm Suydam of Caltrans Consulting Services Department for San Bernardino County. Construction engineering will run approximately 10% of construction costs plus an additional allowance of per diem for construction personnel, due to the remote location of the project.

*10/28/93
still same
re. 2 lane fac
shading for
for this
FY. 93/94
CF will do
1993. 100%
Feds to do
100% on
may have to
design for
purple lead.
1/2 mi realign
84 x 4 ft
structure*

Mr. Trout
July 19, 1993
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More accurate construction cost estimates will, of course, be determined when project scope and exact number and location of each separation structure are determined and funding for the project is firmed up.

If you should have any further questions concerning the above, please call me at (909) 383-6243. We at Caltrans look forward to working with you on this project.

Very truly yours,

Original Signed by

GERALD A. LUNT
Branch Chief
Development Review

GAL/tlm

cc: Michael Dekeyrel - BLM
bcc: Cathy Walton (District 9) ✓
KSteele
LGivens
HSawyer
SKeel/NWoods
JKawwa