

# R/W 10-28 Design Option Summary

- Design Option A – Pulverize AC/AB, 3” AC Overlay
- Design Option B – Grind, Remove, and Replace 4” AC
- Design Option C – Pulverize AC/AB, 3” New Agg. Base, & 3” AC Overlay
- Design Option D – Grind 2” AC, Crack Repair, 2” AC Overlay, Saw & Seal Joints

Design Option	Bearing Capacity Single / Dual Gear (1,000 lbs)	Expected Life (Years)		Construction Cost (Lower Hump)	Construction Cost (Leave Hump)
		Forecast Traffic	Double 40k+ Jets		
Existing	29 / 38	19	13	33	-
A	37 / 57	46	34	77	\$ 2,381,000
B	29 / 38	23	16	40	\$ 2,575,000
C	54 / 74	91	68	150	\$ 2,826,000
D	29 / 38	23	16	40	\$ 2,195,000
					\$ 1,820,000
					\$ 2,167,000
					\$ 2,603,000
					\$ 1,787,000

# RAW 10-28 Brandley vs. FAARFIELD

- Design Option A – Pulverize AC/AB, 3” AC Overlay
- Design Option B – Grind, Remove, and Replace 4” AC
- Design Option C – Pulverize AC/AB, 3” New Agg. Base, & 3” AC Overlay
- Design Option D – Grind 2” AC, Crack Repair, 2” AC Overlay, Saw & Seal Joints

Design Option	Bearing Capacity Single / Dual Gear (1,000 lbs)	Expected Life (Years)					
		Forecast Traffic Brandley	Forecast Traffic FAARFIELD	Double 40k+ Jets Brandley	Double 40k+ Jets FAARFIELD	Without 40k+ Jets Brandley	Without 40k+ Jets FAARFIELD
Existing	29 / 38	19	0.7	13	0.3	33	11
A	37 / 57	46	7	34	4	77	75
B	29 / 38	23	2	16	1	40	27
C	54 / 74	91	43	68	26	150	1012
D	29 / 38	23	2	16	1	40	27

**TRUCKEE TAHOE AIRPORT  
REHABILITATION OF WESTERLY 5,000+ FT. OF RUNWAY 10-28  
PRELIMINARY CONSTRUCTION COST ESTIMATE**

Option	A	B	C	D
Rehabilitate 3,350'	\$ 950,000	\$ 1,244,000	\$ 1,395,000	\$ 864,000
Lower Hump 1,750'	756,000	756,000	756,000	756,000
Miscellaneous Costs*	600,000	500,000	600,000	500,000
Runway Grooving	<u>75,000</u>	<u>75,000</u>	<u>75,000</u>	<u>75,000</u>
Total Construction Cost	\$ 2,381,000	\$ 2,575,000	\$ 2,826,000	\$ 2,195,000
Deduct if Hump <u>Not</u> Lowered	<u>(561,000)</u>	<u>(408,000)</u>	<u>(223,000)</u>	<u>(408,000)</u>
Total Construction Cost if Hump Not Lowered	\$ 1,820,000	\$ 2,167,000	\$ 2,603,000	\$ 1,787,000

\*Miscellaneous Costs = Excavation, Lighting, Marking, etc.