

# Taper Slope Decision Matrix

I-40 On-Ramp Country Club Team

Decision Matrix					
Slope	Capacity	Cost	Constraints	Speed	Total
8:1	2	2	3	1	8
15:1	1	1	2	2	6

Rank	Description
1	Poor
2	Moderate
3	Excellent

## Summary

For the proposed additional right turn lane on S Country Clube Drive, taper slopes of 8:1 and 15:1 were examined and compared through a decision matrix found above. After ranking each desired aspect, including projected cost, expected increase in capacity, least added constraints, and lowest impact on speed, it was determined that a taper slope of 8:1 was the best choice for this project.