PREPARING AN INTERSECTION FOR VARIABLE LANE USE
Geography
PROBLEM

Single right turn lane to dual lane ramp.

Need to maintain thru lane capacity.
Single through+right turn lane onto NB I-25. Funding to widen structure a ways off.
CHALLENGES

Variable message signs with fixed library of two messages.
Variable message sign sequence.
CHALLENGES

Left turn signage

Advanced Signage

Intersection Signage

Advanced Signage
SIGN CONTROL

Sign control communication

Traffic Signal Controller

Sign Control Cabinet

Sign 120v power

Sign Power Supply
SIGN CONTROL

Traffic Signal Controller

Sign Control Cabinet

Sign Power Supply
SIGN CONTROL

No controller input required

Controller transition phase input

Controller AM Peak phase input
SIGN CONTROL CABINET

- Contactors
- Sign circuit breakers
- LED status panel
- Sign connection terminal blocks
BENCH TESTING
COLLABORATION

Fehr & Peers

Town of Castle Rock

COLORADO

Department of Transportation

Economolite

W2 Contractors
Questions?