

Physical Environment



Utilities

Major utilities relate to water mains, electrical transmission lines, fiber optic lines, and sanitary sewer lines.

ENVIRONMENTAL CONSEQUENCES

No-Action

No effects

General Purpose Lanes

- Various utility lines would require relocation

Tolled Express Lanes (*Preferred Alternative*)

- Various utility lines would require relocation

MITIGATION

- Utility impacts would be identified in more detail during final design
- Private utility companies are responsible for relocating the utility lines that occur within the existing ROW
- CDOT would relocate publicly owned utility lines and those impacted outside the existing ROW
- Safety precautions would ensure contained release of potential airborne asbestos



C-470 Trail

The C-470 trail, also known as the Centennial trail, runs parallel to the highway for the entire length of C-470, extending east of I-25 and north of I-70.

ENVIRONMENTAL CONSEQUENCES

No-Action

- No effect to the existing trail
- Existing at-grade street crossings would remain
- Existing surface condition deficiencies would remain

General Purpose Lanes

- 7.5 miles of trail moved outward and reconstructed allowing for roadway widening
- Distance trail shifted generally 45-50 feet
- Trail would be closer to private property
- Sharp curve under C-470 at the South Platte River straitened and retaining wall removed to improve sight distance
- Existing at-grade street crossings would remain
- Relocated trail sections would have a new wearing surface

Tolled Express Lanes (*Preferred Alternative*)

- 8.1 miles of trail moved outward and reconstructed allowing for roadway widening
- Distance shifted varies from 0 to 167 feet, but is generally 45-50 feet
- Trail would be closer to private property
- Sharp curve under C-470 at the South Platte River straitened and retaining wall removed to improve sight distance
- Existing at-grade street crossings would remain

MITIGATION

- Relocated trail sections would have a new wearing surface
- The general purpose lanes would require reconstruction of 7.5 miles of trail, while the express lanes alternative would require reconstruction of 8.1 miles of trail
- Grade separated trail crossings at Santa Fe, Colorado, and Quebec
- Detours provided to ensure the trail remains open during construction
- The Colorado Department of Transportation would coordinate with trail groups to inform them of trail detours and trail construction activity



C-470 CORRIDOR PROJECT