



Pepsi Center System, Downtown Denver

**Overview:** Implementation studies, design, specification and implementation of over 30 new or enhanced centralized-hybrid and distributed traffic signal systems

**Owner:** Over 15 Public Agencies

**Completion:** 1982—Present

## Traffic Signal Systems

### Project Description

Centennial Engineering (CEI) staff has provided traffic signal system consulting services across Colorado on behalf of cities, counties, the Colorado Department of Transportation (CDOT); the Denver Regional Council of Governments (DRCOG), private entities and other consultants. Our services range from planning through design, implementation and testing across all system configurations such as: 1] NEMA and Model 170 systems; 2] Centralized-hybrid and distributed architectures; and 3] Copper wire, fiber optic, leased telephone, packet radio and spread spectrum interconnect.

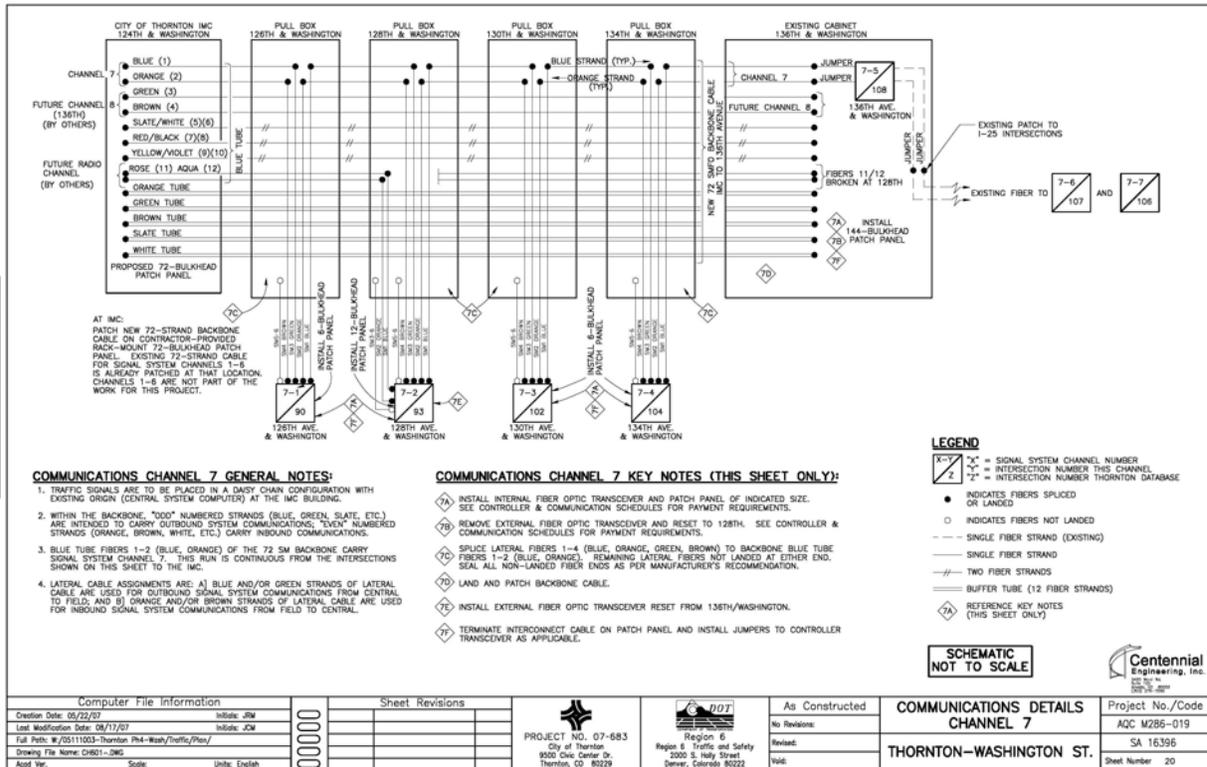
CEI Chief Traffic Engineer Steven J. Sabinash, P.E., has managed study, design and development of over 30 signal system projects. Perhaps his most important lesson learned is that each owner has different needs, requiring a unique approach based on factors including budget, day-to-day operation, maintenance, complexity of the field network, communications media, functionality, reliability and so on. Agency investment in software, in-office and on-street hardware and communications can

quickly become expensive therefore it is paramount to “fit” the right system to the owner and prepare modular deployment plans in accordance with funding levels. Traffic signal system projects managed and studied or designed by Steve are in the following locations. Many were part of federal-aid projects or otherwise included CDOT and DRCOG participation.

- Arvada, CO
- Broomfield, CO
- CDOT Region 1 (2)
- CDOT Region 6
- Commerce City, CO
- Denver, CO (12)
- Greenwood Village, CO
- Lakewood, CO
- Littleton, CO
- Longmont, CO
- Louisville, CO
- Thornton, CO (5)
- Westminster, CO (2)
- Wheat Ridge, CO
- Other States (2)



South Broadway System, South Denver



Fiber Communications Plan Thornton System Channel 7

SERVICES

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