



Alaska Department of Transportation & Public Facilities

Parks Hwy MP 231 Enhancements – CMGC Services

Northern Region
February 16, 2016



Team

- **ADOT&PF Project Management Team**
 - Lauren Little, P.E., Project Manager
 - David Jensen, Civil Design
 - Elmer Marx, P.E., Bridge Design
- **ADOT&PF Construction**
 - David Arvey, P.E., Project Manager
- **CMGC Assistance & Independent Cost Estimator**
 - TBD



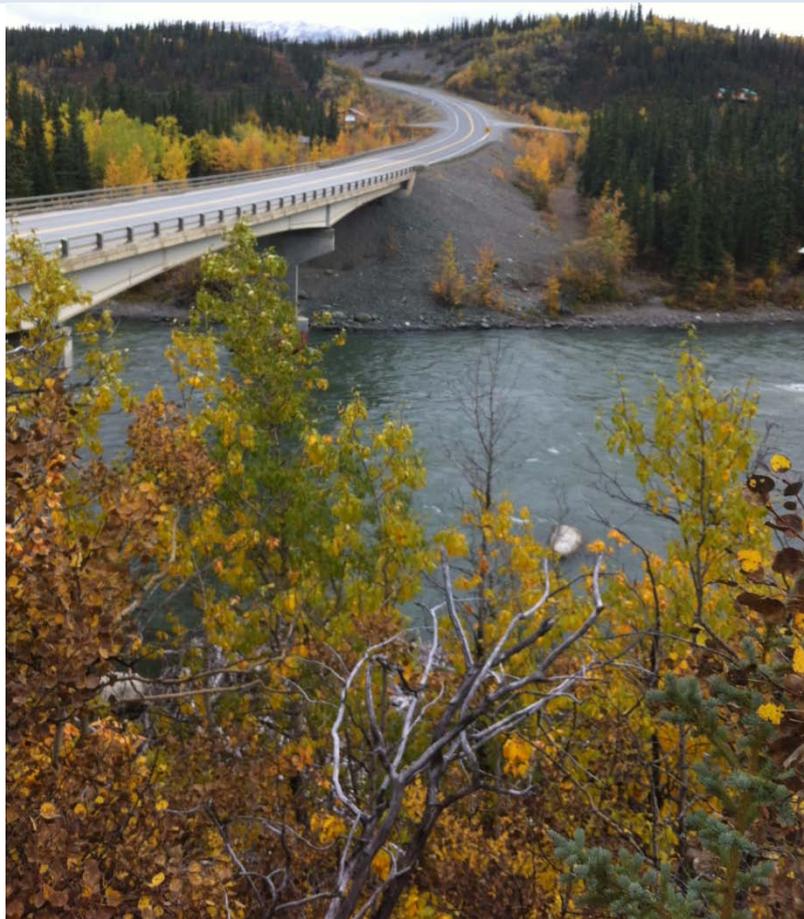
Key Benefits of CMGC

- Collaborative Design Process
 - Constructability input
 - Identify/mitigate risks
 - Innovations
 - Maximize value / minimize impacts
- Cost Certainty
 - What are costs
 - Phasing for STIP
 - Options
- Speed of Delivery
- Owner Maintains Control





Why CMGC for Parks 231?



- Heavy traffic area
- Flexibility in project delivery
- Multi-agency involvement
- Permitting



Project Scope

Reconstruct the Parks Highway between MP 229.7 and 232.3, including:

- Replace highway bridge to accommodate turn lanes, 8-ft shoulders and a separated pedestrian facility.
- Construct a new Denali National Park & Preserve owned wayside.
- Add turn lanes for:
 - new wayside
 - hotel/Grizzly Bear cabins approach near MP 231
 - Old Parks Hwy intersection near MP 230



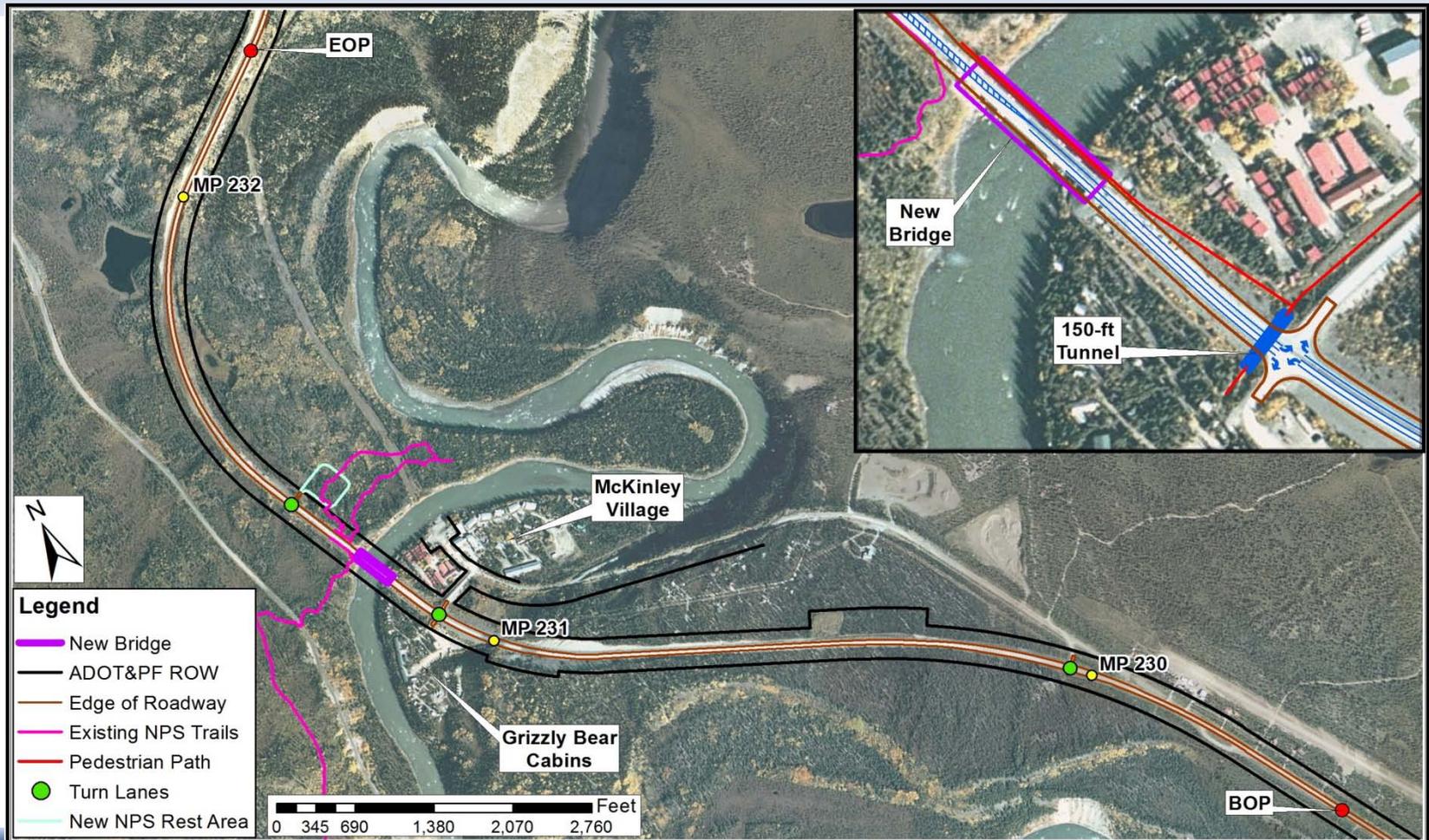
Project Scope

Add pedestrian and bicycle facilities between MP 231 and 232.3, including:

- New pedestrian undercrossing near MP 231.
- New multi-use pathway between MP 231 and the new wayside.
- Trail connections and re-routing.



Project Layout





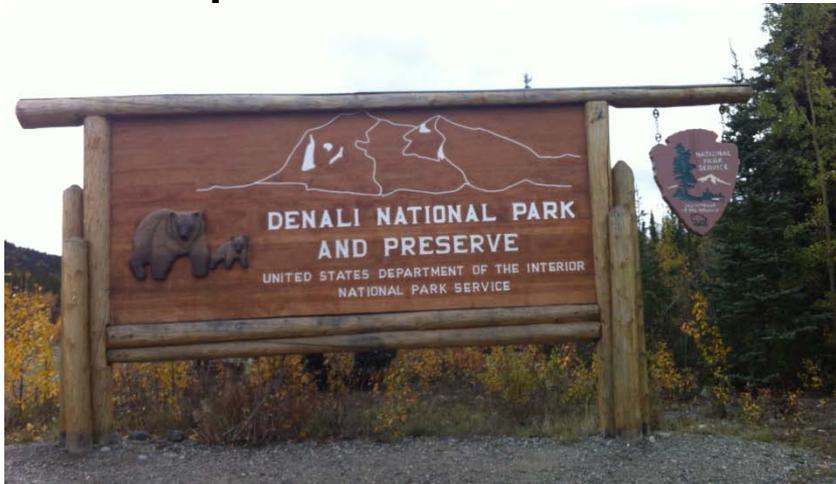
Project Purpose & Need

Purpose:

- Enhance safety
- Enhance visitor experience

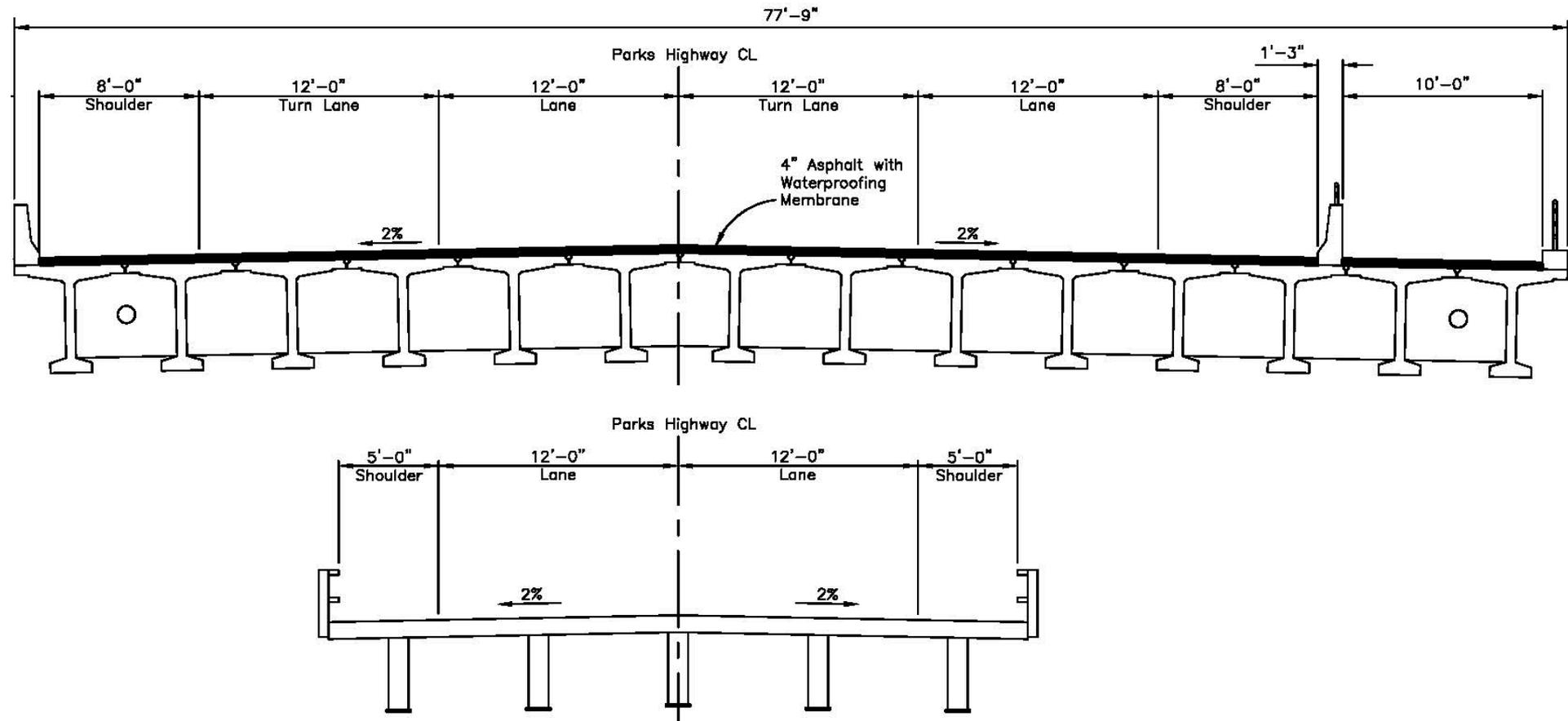
Need:

- 65 mph Interstate Highway mixing with:
 - Public boat launch access near MP 231
 - Residential and commercial access points near MP 230 and MP 231
 - Pedestrians



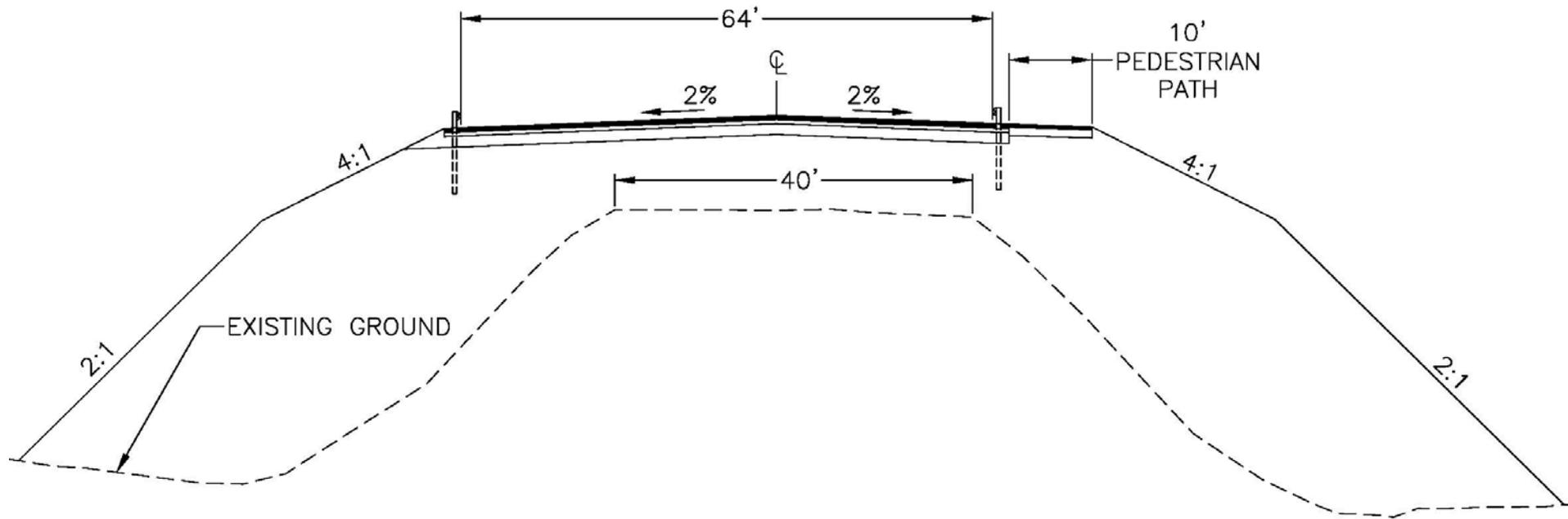


Typical Sections





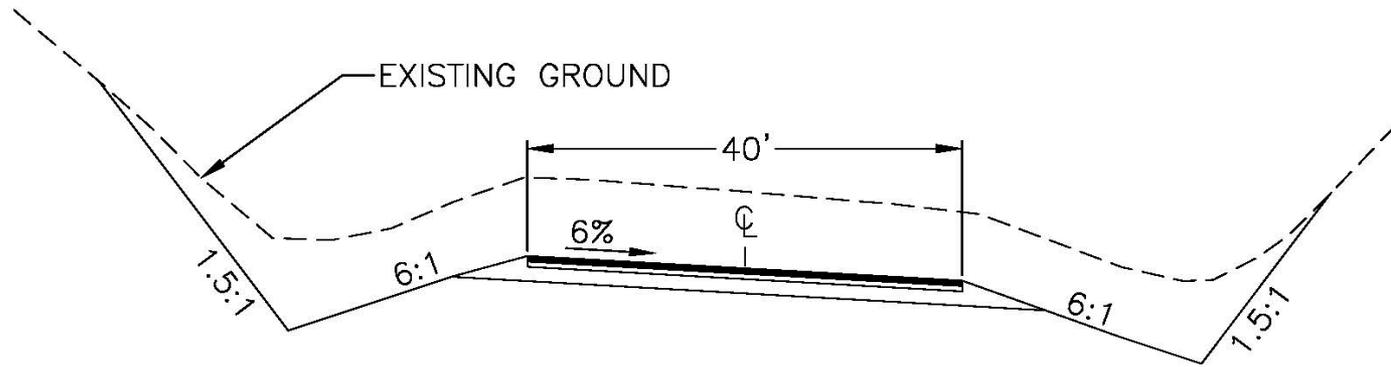
Typical Sections



Parks Hwy Fill Section

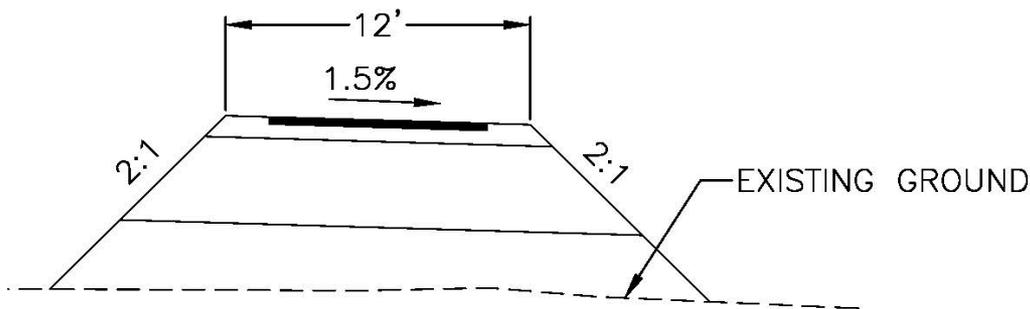


Typical Sections



Parks Hwy Cut Section

Pedestrian Path

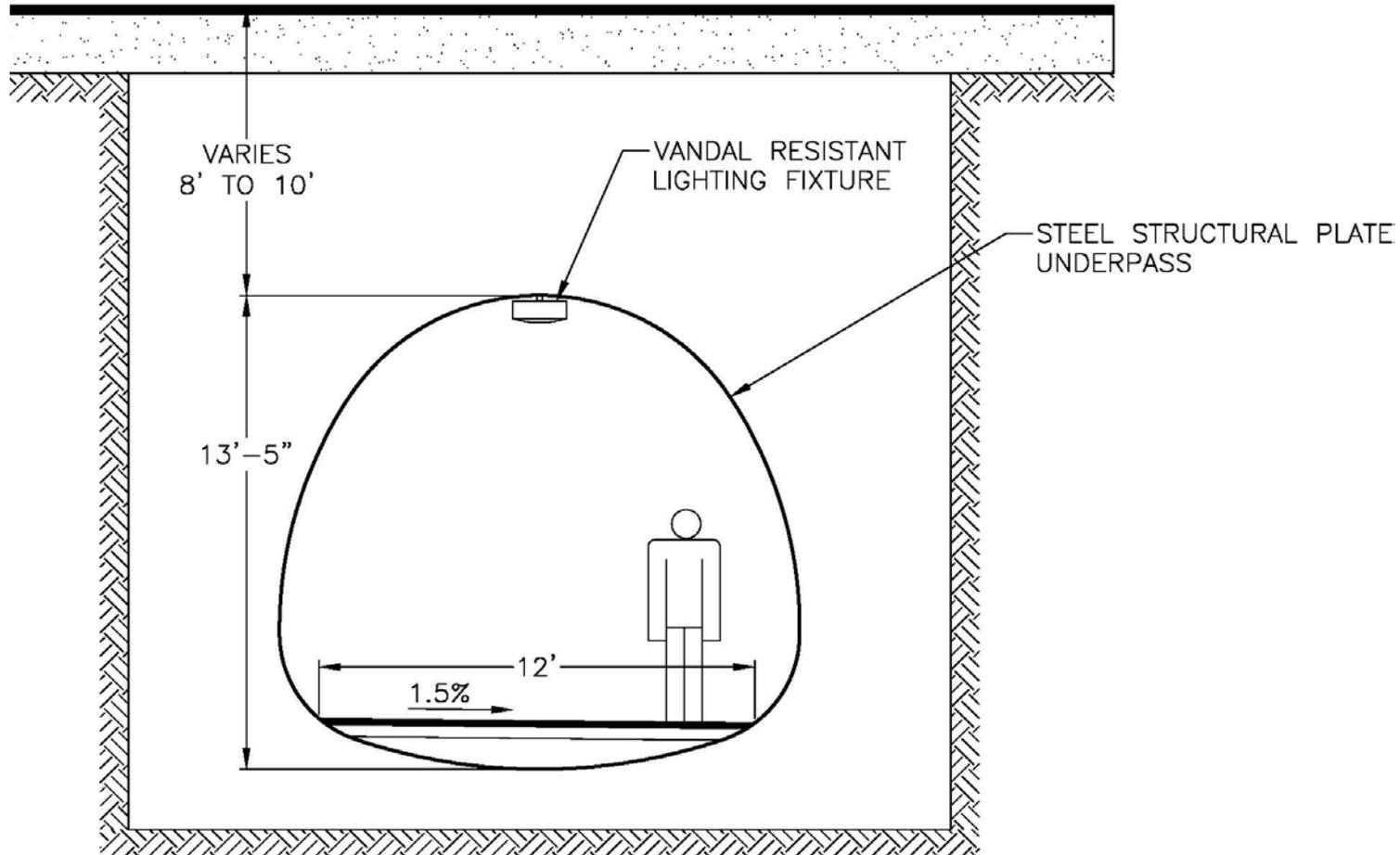




Typical Sections

Pedestrian Underpass

150-ft Long





Project Challenges & Complexities

- Traffic maintenance
 - Pedestrian & vehicular
- Constructability
 - Bridge & pedestrian tunnel
- Funding
- Environmentally sensitive area





Project Challenges & Complexities

- Public involvement
 - NPS, residents, business owners, commercial trucks, and area users
- Utility relocations
- Permitting
 - USCG
 - USACE
 - ADF&G
 - EPA & DEC SWPPPs





Current Efforts

- Environmental document complete July 2015
- Design Study Report in progress
- Developing CMGC Request for Proposals:
 - ✓ **RFP to select CMGC Anticipated March 2016**
 - ✓ **4 week proposal preparation duration**
 - ✓ **Selection in May/June 2016**



RFP

Request for Proposal

- RFP will be one-step (no RFQ)
- RFP seeking Contractor to provide preconstruction services
 - Two Parts:
 - 1) Technical Proposal
 - 2) Cost Proposal
 - Selection will be based on both



RFP

RFP Part 1: Technical

- The Technical Proposal will require written narrative to describe qualifications
- Criteria may include:
 - Project Approach
 - Risk Management
 - Innovation
 - Methods of Partnering and Claims Mitigation
 - Proposed Project Staff
 - Management
 - Past Performance
 - Approach to Price



RFP

RFP Part 2: Cost

- Cost is typically weighted ~10% of RFP evaluation
- Two cost components:
 - Preconstruction Rates
 - Fee
- Bid unit prices not likely to be a criterion



Overall Project Schedule

	2016				2017				2018				Beyond 2018
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
RFP/CMGC Selection	█	█											
Detailed Design	█	█	█	█	█	█	█	█	█	█	█	█	
Contractor Input			█	█	█	█	█	█	█	█	█	█	
Permitting	█	█	█	█	█	█	█						
Final Construction Cost							█	█			█	█	
Construction*								█	█	█	█	█	█



Tentative RFP Schedule

Tentative Schedule	2016			
	March	April	May	June
Issue RFP	★			
Prepare Proposals		→		
Evaluate Proposals			→	
Negotiate Contract				→
NTP - Stage 1				★



Opportunities for Subcontractors

- Stage 1 – Preconstruction
- Stage 2 – Construction

Yes!



Post Construction Evaluation

- Innovations Incorporated
- Risk Reductions
- Project Costs
- Overall Project Schedule
- Change Orders and Claims



Summary

- Partner and Collaborate
- Drive Innovation
- Manage Risk
- Transfer Knowledge
- Efficient Delivery



✓ **RFP to select CMGC Anticipated March 2016**



For more information

- **Project Manager**

Lauren Little, P.E., ADOT&PF Design

Tel: 907-451-5371

E-mail: lauren.little@alaska.gov

Fax: 907-451-5126

TDD: 907-451-2363

- Web site: <http://dot.alaska.gov/nreg/parks231>



Questions?

**How can we help you provide
the best proposal to ADOT&PF?**

