SUMMARY PRESENTATION 2023







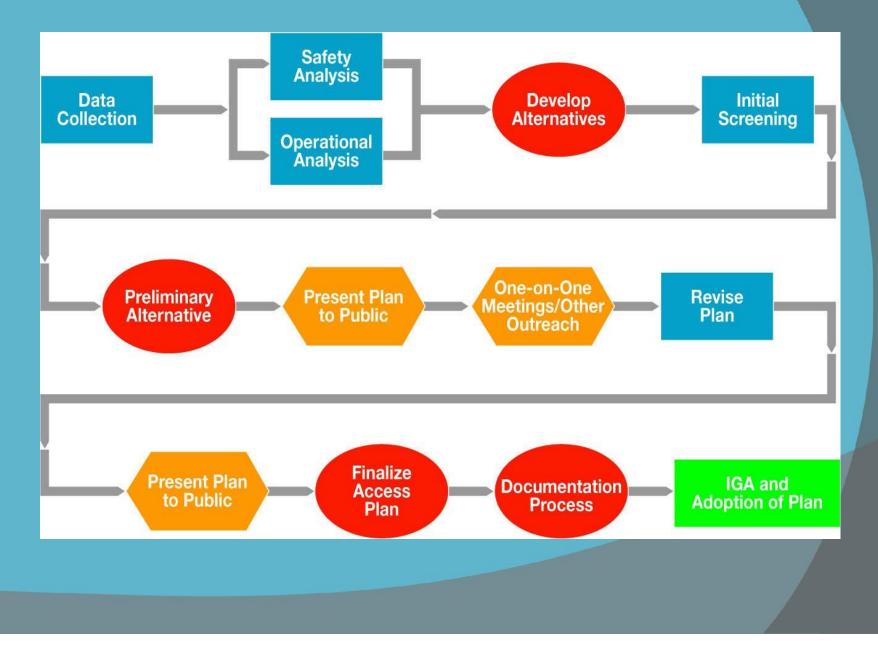
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The purpose/goal of access control

- Recommend a long-range plan for ultimate access conditions that address existing spacing deficiencies
- Provide adequate access to adjacent properties while better utilizing the local roadway system
- Improve mobility while considering safety for all users
- Enhance the highway aesthetics to improve the overall experience of those that reside in the area, visitors, and those conducting business
- Provide the County, City, and CDOT with a tool to help:
 - Make access decisions during development and/or redevelopment
 - Streamline the access permitting process

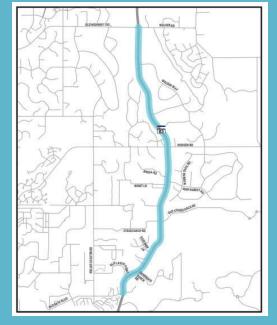
The access control plan was developed by the Colorado Department of Transportation in collaboration with El Paso County and the City of Colorado Springs.

How the plan was developed



Existing access conditions







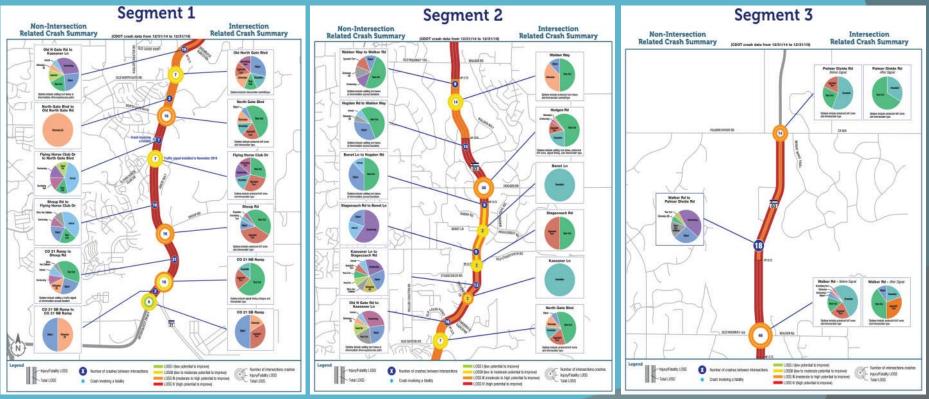
- Study Limits: CO 83 between Powers Boulevard (CO 21) and County Line Road (Palmer Divide Road) or 9.85 miles
- Contains 72 individual access locations (driveways, field accesses, curb cuts, roads)
 - > 30% public streets and 70% private driveways
- Most access locations allow full movement (with no turn restrictions)

Access categories:

- Expressway (Powers Blvd to Old North Gate Rd)
 - Focuses on traffic mobility over access to properties
 - > Direct access only if an alternate is not available
 - Signals spaced at least ½ mile apart
- Regional Highway (Old North Gate Road to County Line Road)
 - Focus on traffic mobility
 - Low priority for direct access to adjacent properties
 - Signals spaced at least ½ mile apart

Safety conditions

- Crashes from 12/31/14 to 12/31/19 (CDOT data for reported crashes)
- 333 crash events involving vehicles
 - > No pedestrian or bicycle crashes
 - > 1 fatality between Flying Horse Club Drive and North Gate Boulevard



Safety conditions

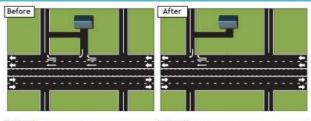
- Look for crashes that are typically a result of access conditions and identify solutions (For example - broadside, approach turn, rear end, and head-on)
- Some crashes are not a result of access conditions and should be addressed outside the ACP process (For example – animal, object, and overturning)
- Most intersections have a low to moderate potential for safety improvements
- In between intersections, the highway sections typically have a moderate to high potential for safety improvements
- Future safety improvements should be made in line with the recommendations of the ACP
- Traffic growth without access control may result in an increase in the frequency and severity of crashes on CO 83
- Optimization of the number and type of accesses will reduce the number of conflict points and improve safety

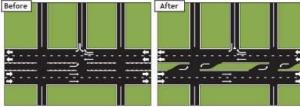
Mobility conditions

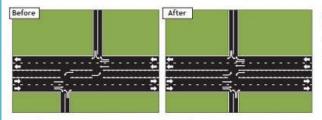
- Eight intersections in the project limits with existing traffic signals all operate acceptably
- Unsignalized intersections operate acceptably
 - Some difficulty for vehicles attempting to turn onto CO 83 from the side street approaches
- Existing traffic operations are considered good overall
 - No need for immediate changes
 - Conditions are likely to degrade as development occurs and traffic volumes increase
- Future analysis without access control indicates
 - Many intersections will fail
 - > Vehicles on side streets will face increased difficulty entering the highway
 - Overall mobility for vehicles will deteriorate
- Supports the need to consider optimizing the number, location, and design of access points on CO 83 for the long term

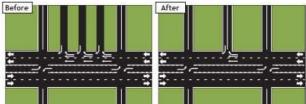
Develop roadway alternatives

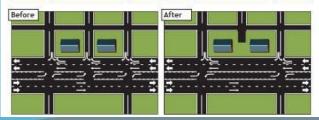
- Methods to optimize access
- Consider current and future development and their access needs
- Consider possible future highway improvement projects
- Look at appropriate spacing of full movement intersections (potential for signals and roundabouts)











Use Local Streets

- Access to local properties through secondary roads
- Consolidate number of access locations where vehicles may enter or exit the highway
- Reduces the number of conflict points

Addition of Median Treatment

- Limit turning movements to locations with a dedicated left turn lane
- Reduces the number of conflicts between left turning vehicles and through vehicles on the highway

Realignment

- Align opposite approaches
- · Creates a more familiar intersection design

Consolidation

- Consolidate adjacent access points into fewer locations
- The number of conflict points are reduced

Alternate Access Route

- Provide access to properties via an improved/ new alternate access road
- Reduces the number of access points along the highway

Stakeholder/public outreach efforts

- We conducted monthly project team meetings
 - CDOT, County, and City staff invited to participate
- We conducted two virtual open houses
 - February 2021
 - Present draft plan, receive input from public
 - > June 2021
 - Present final plan
 - Received total of 44 comments from public
- We had one-on-one meetings with property owners
 - Conducted a total of 6 meetings with citizens



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WELCOME

to the

CO 83 Access Study

Virtual Open House





Public comment concerns were:

- The speed of vehicles
- Noise from large trucks
- Number of large trucks and volume of traffic overall
- Posted speed limit
- Lack of turn lanes
- Safety in the area around the newly constructed Stagecoach Road intersection
- Need for more traffic signals
- Sight distance through curves
- How does the process to have shared access work, cross parcel or lots

What does the final plan do:

- Create a long term (2045 and beyond) plan for access
- Optimizes the location, number, and type of access to help promote safety and mobility (along and across CO 83)
- Support the long-term plans for CO 83
- Provide the appropriate level of access to adjacent properties
- Meet the requirements of the State Highway Access Code
- Address concerns raised by stakeholders
- Outline the conditions that must be satisfied before a change in access will occur

What the final plan does not do:

- Identify specific projects
- Establish a timeline for when changes will occur
- Include design details (such as turn lanes) of potential access, mobility, safety, or capacity improvements within the project limits (done as part of future projects/studies)
- Preclude current projects planned for CO 83 including future widening
- Prohibit future amendments to the plan's final recommendations
- Preclude future development or redevelopment along CO 83

Conditions that must be satisfied for changes to occur

Access Control Plan Table^{1, 2}

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Colorado State Highway 83 (El Paso County) August 5, 2021							
Access # (Map #)	Milepost ³	Side of Road	Access Description	Existing Land Use	Existing Configuration	Ultimate Configuration	Notes/Conditions for Change ⁴
11 (4)	22.946	East	Private Driveway	Rural Residential	Full movement (un-signalized)	Closed	 Access may be restricted to right-in, right-out or ¾ movement if: Adequate improvements have been made to ensure U-turns can be safely completed at nearby intersections, and The adjacent property(ies) redevelops; or An operational and/or safety issues are identified through the completion of a traffic study, or As part of roadway improvement project that adds capacity or a median to CO 83. Access will be closed if: A cross access easement is obtained with adjacent property(ies); and Internal connectivity to/from Access #9 or Access #13 is developed.
		1			Milepost 23		
12 (4)	23.124	West	Old North Gate Road	Transportation (Public Roadway)	Full movement (un-signalized)	Full Movement⁵	Access design may be changed to better accommodate U-turns if nearby accesses are restricted to less than full movement.
13 (4)	23.131	East	Private Driveway	Rural Residential	Full movement (un-signalized)	Full Movement⁵	Access design may be changed to better accommodate U-turns if nearby accesses are restricted to less than full movement.

1. The current State Highway Access Code shall govern any unresolved discrepancies regarding access decisions.

2. All access points are subject to consolidation upon the combining or subdividing of any lots under a single ownership or controlling interest.

3. All access locations +/- 50 feet (0.01 mile) unless otherwise noted.

4. The type, number, and storage length of lanes may be determined by a separate traffic study to be completed at the time of the actual design and implementation of the access plan and to ensure that the design does not create operational and/or safety issues.

5. Full movement access with potential to become/remain signalized or change to other full movement control, such as a roundabout. The design of any intermediate/final intersection control changes will be completed under a separate study to ensure that the design complies with the recommendations of the access control plan and does not create operational and/or safety issues. 6. A 3/4 movement configuration means that vehicles can turn right into the access, turn right out of the access, and turn left into the access.

Implementation of the plan:

- Phased approach (will not occur as a single project)
 - The plan represents a long-range vision for the highway
 - Currently, there is no identified state or federal funding to implement the improvements
 - There are no identified projects to implement the plan's full recommendations
- Triggers for implementation include:
 - Traffic operational issues
 - Increase in safety concerns
 - > As a result of a roadway improvement project
 - Part of the development or redevelopment process

Next steps:

- Adopt/sign Intergovernmental Agreement (IGA) between coordinated partners
- Provide all partners with the project documentation
- <u>Coordination between</u>
 the

County and CDOT to ensure proper implementation of the plan

 Amend the plan in the future if conditions change, unexpected development occurs, future projects occur, or better solutions are identified

ACCESS STUDY PROCESS



THANK YOU

QUESTIONS?

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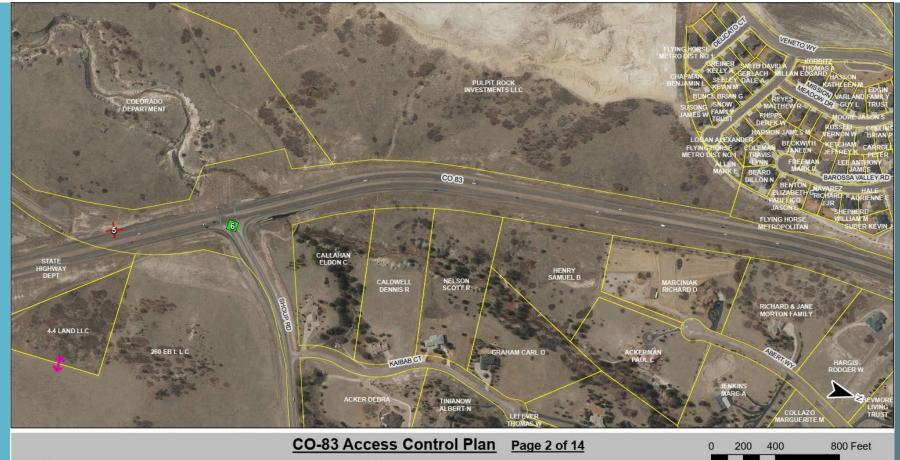


Legen	d			Notes	
	Milepoints		Right-In, Right-Out Emergency Access Only	 The current State Highway Access Code shall govern any unresolved discrepancies regarding access decisions. All access points are subject to consolidation upon the combining or subdividing of any lots under a single ownership or controlling interest. All access locations +/- 50 feet (0.01 mile) unless otherwise noted. The type, number, and storage length of lanes may be determined by a separate traffic study to be completed at the time of the actual design and implementation of the access plan and to ensure that the design does not create operational and/or safety issues. Full movement access with potential to become/remain signalized or change to other full movement control, such as a roundabout. The design of any intermediate/final intersection control changes will be completed under a separate study to ensure that thedesign complies with the 	
	Parcels Full Movement (Signalized or Potential Roundabout)		Right-In Only Proposed Cross/Shared		
⊖ ×	Full Movement (Unsignalized) Access Closed	\leftrightarrow	Property Access* Existing Cross/Shared Property Access*	recommendations of the access control plan and does not create operational and/or safety issues. 6. A 3/4 movement configuration means that vehicles can turn right into the access, turn right out of the access, and turn left into the access. *Arrows represent two properties that already have shared access or could have shared access in the future. The placement of the arrows in the figure are not meant to identify the location of any future shared access. The location of future shared access would be determined through a	
\diamond	3/4 Movement (No Left Out)		Proposed Future Roadway	cooperative and public effort between the property owners and/or CDOT and the County.	

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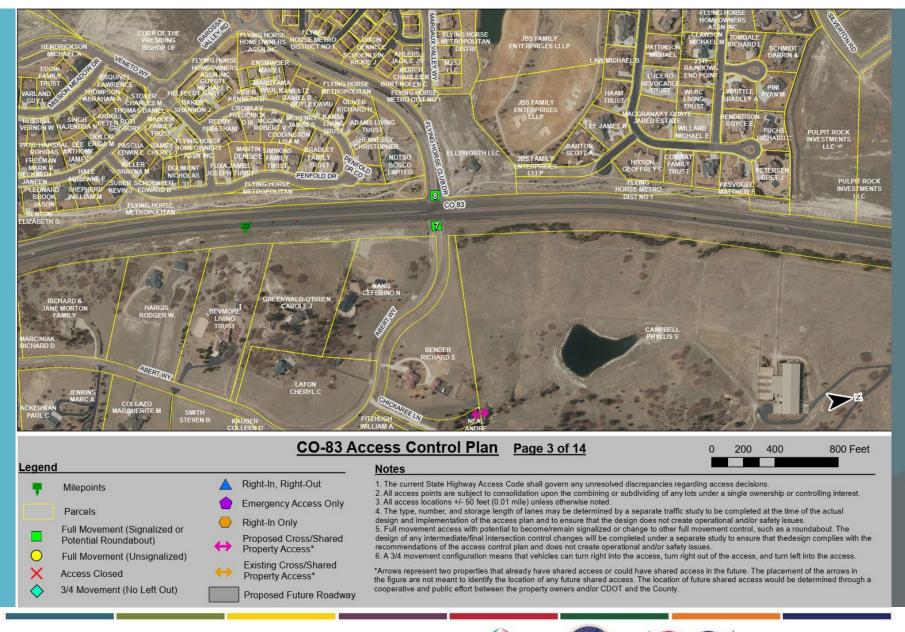


Legend	11			Notes 1. The current State Highway Access Code shall govern any unresolved discrepancies regarding access decisions. 2. All access points are subject to consolidation upon the combining or subdividing of any lots under a single ownership or controlling interest.	
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	Parcels		Emergency Access Only	 All access locations +/- 50 feet (0.01 mile) unless otherwise noted. The type, number, and storage length of lanes may be determined by a separate traffic study to be completed at the time of the actual 	
	Full Movement (Signalized or		Right-In Only	design and implementation of the access plan and to ensure that the design does not create operational and/or safety issues. 5. Full movement access with potential to become/remain signalized or change to other full movement control, such as a roundabout. The	
	Potential Roundabout)	↔	Proposed Cross/Shared Property Access*	design of any intermediate/final intersection control changes will be completed under a separate study to ensure that the design complies with t recommendations of the access control plan and does not create operational and/or safety issues.	
0	Full Movement (Unsignalized)		Existing Cross/Shared	6. A 3/4 movement configuration means that vehicles can turn right into the access, turn right out of the access, and turn left into the access. *Arrows represent two properties that already have shared access or could have shared access in the future. The placement of the arrows in the figure are not meant to identify the location of any future shared access. The location of future shared access would be determined throug cooperative and public effort between the property owners and/or CDOT and the County.	
X	Access Closed		Property Access*		
\diamond	3/4 Movement (No Left Out)		Proposed Future Roadway		





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egen	d			Notes		
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	Parcels		Emergency Access Only			
	Full Movement (Signalized or	0	Right-In Only	design and implementation of the access plan and to ensure that the design does not create operational and/or safety issues. 5. Full movement access with potential to become/remain signalized or change to other full movement control, such as a roundabout. The		
		\leftrightarrow	Proposed Cross/Shared Property Access*	design of any intermediate/final intersection control changes will be completed under a separate study to ensure that the design completed on the access control plan and does not create operational and/or safety issues.		
			Existing Cross/Shared	6. A 3/4 movement configuration means that vehicles can turn right into the access, turn right out of the access, and turn left into the access.		
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\diamond	3/4 Movement (No Left Out)		Proposed Future Roadway			





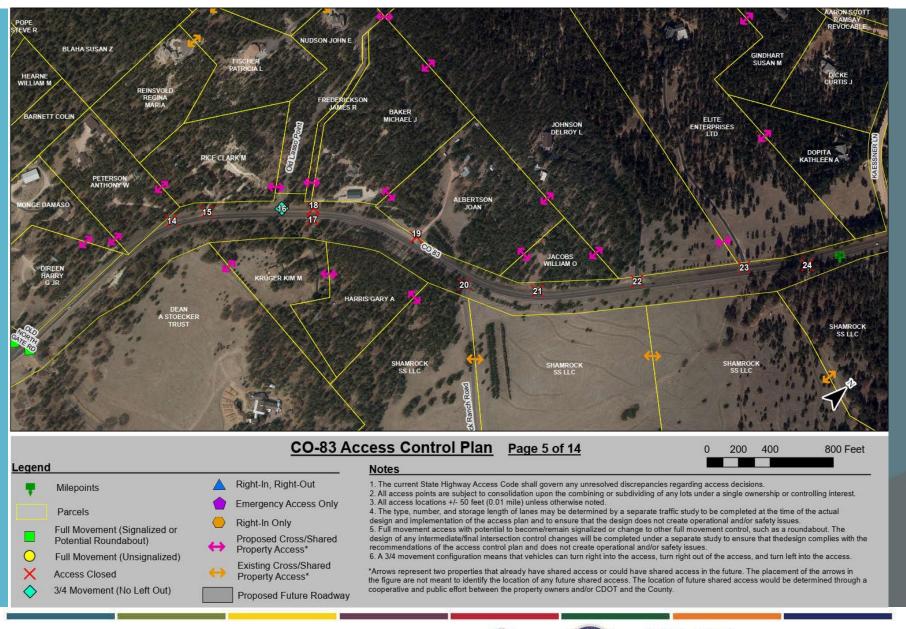


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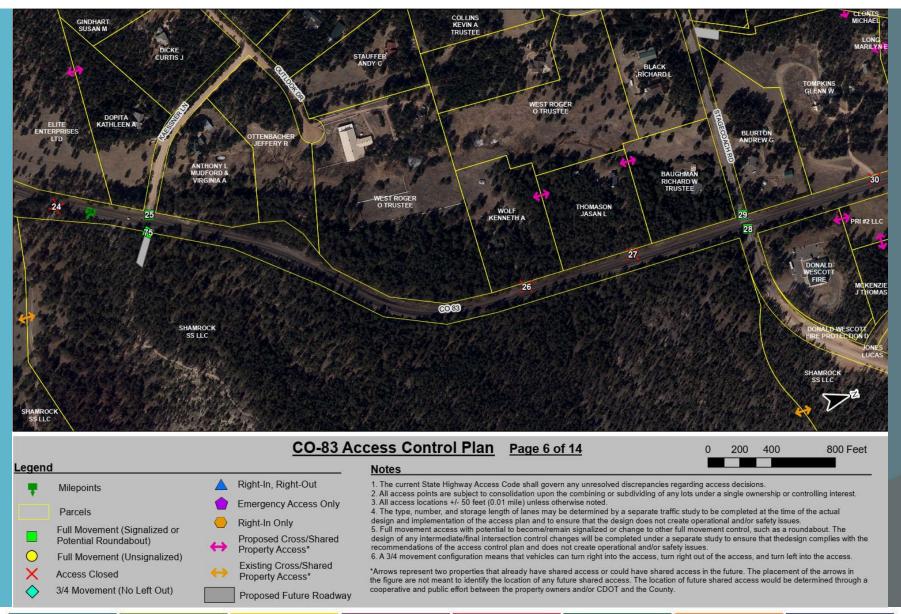


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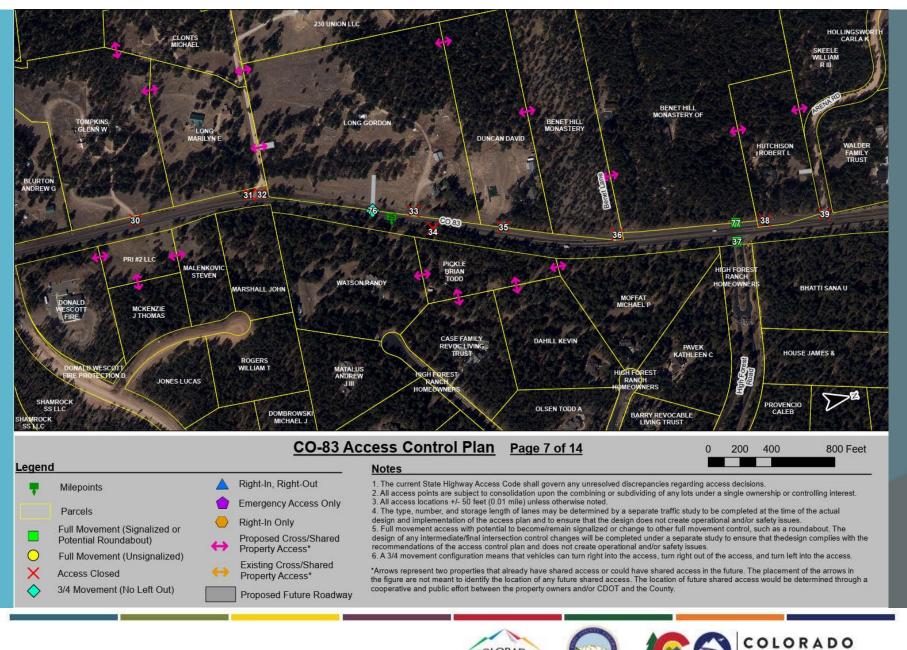
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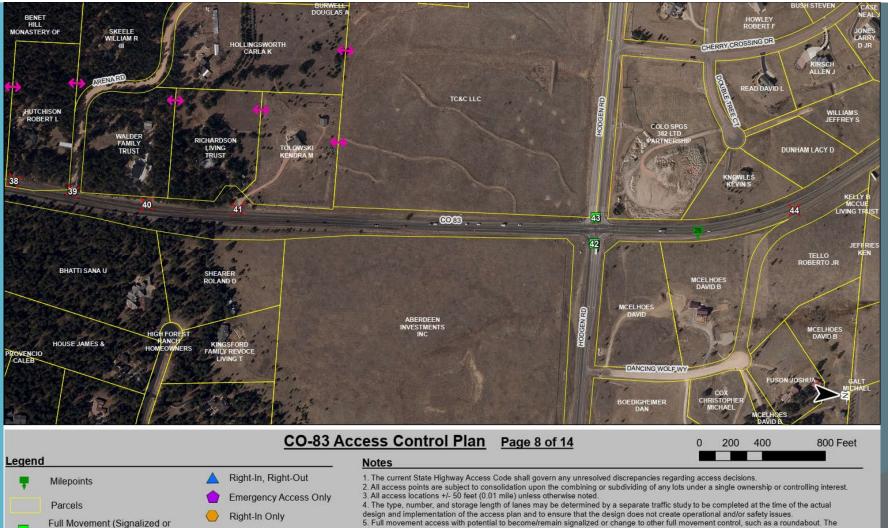
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Potential Roundabout)

Access Closed

Full Movement (Unsignalized)

3/4 Movement (No Left Out)



Proposed Cross/Shared

Existing Cross/Shared

Proposed Future Roadway

Property Access*

Property Access*

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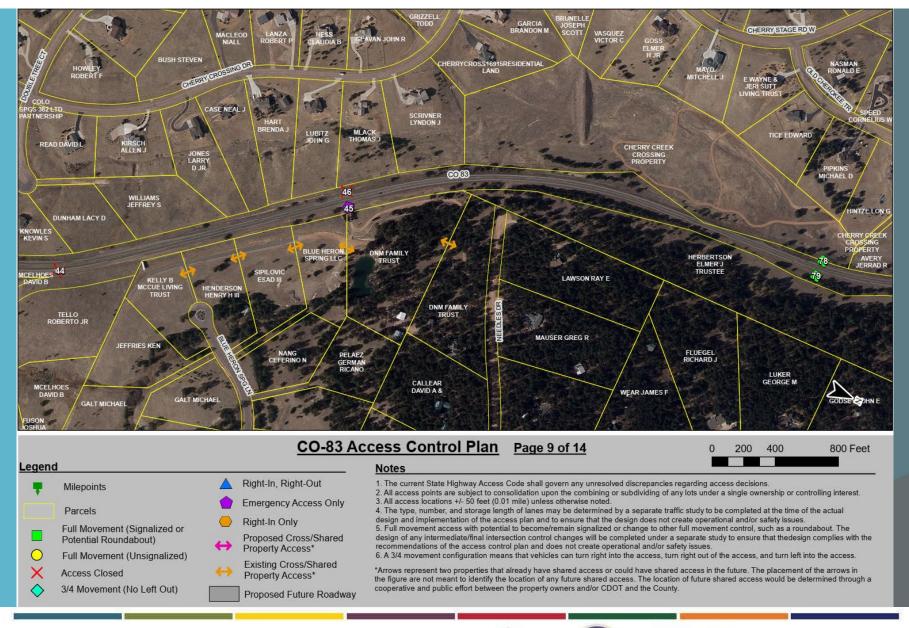
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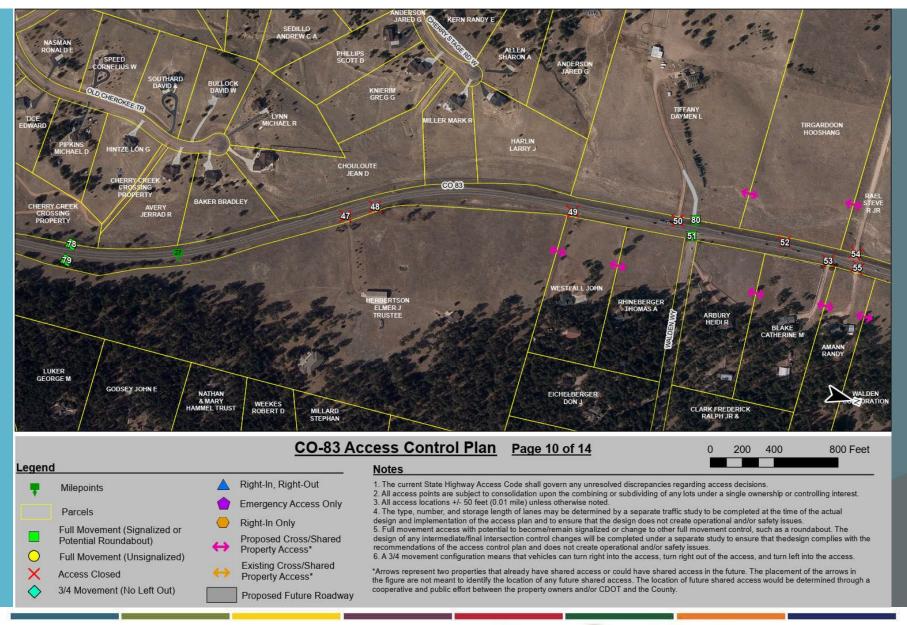
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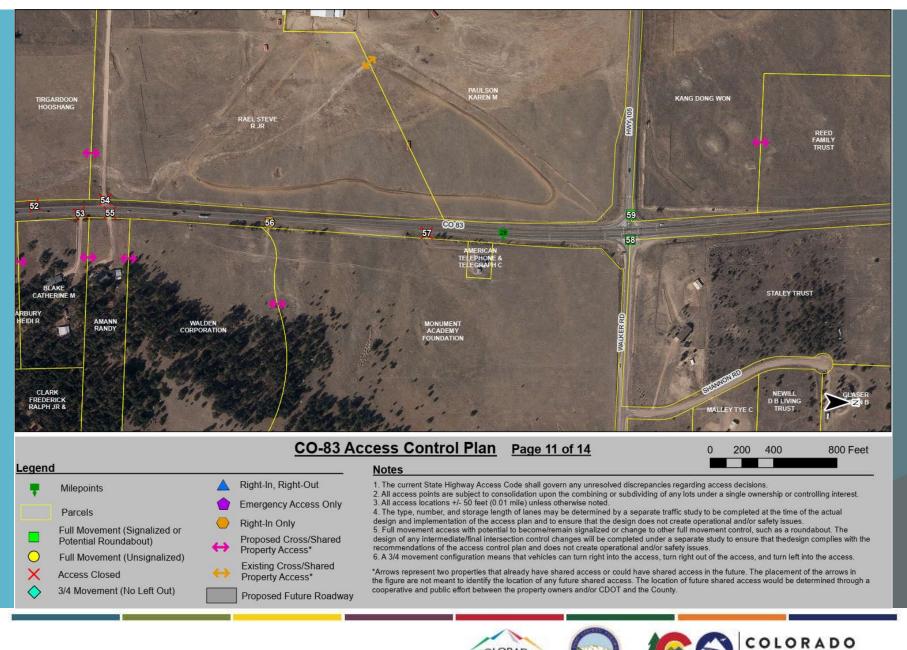








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Notes

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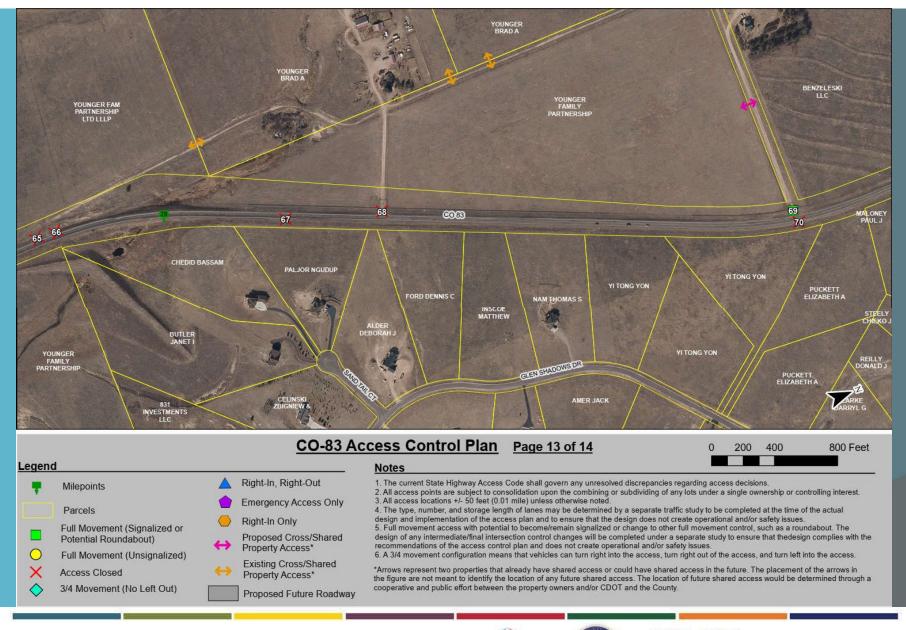


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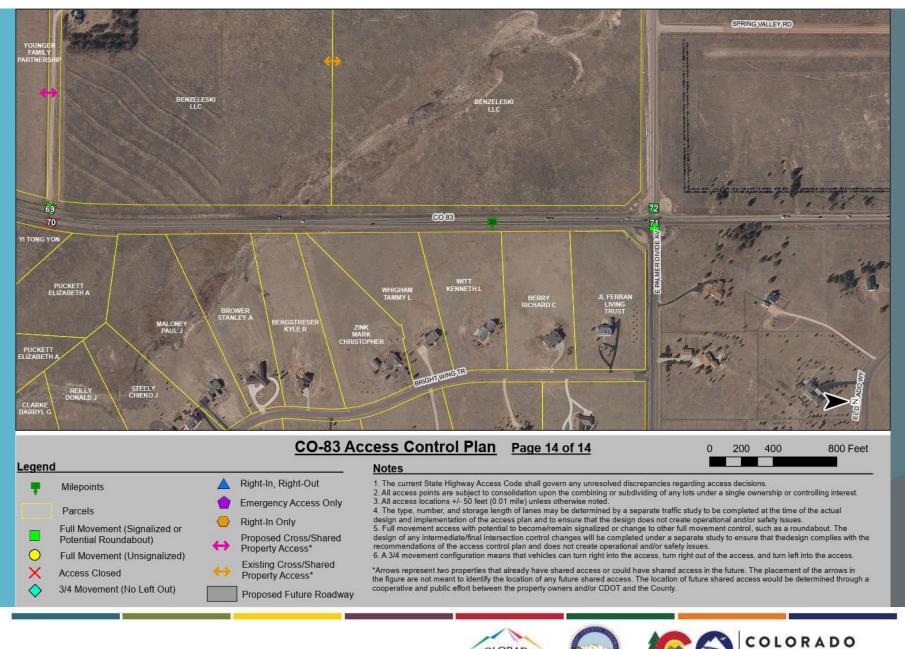
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