

South Boulder Creek Flood Mitigation Study
Potential Solutions Matrix - South of US-36

● Element will be carried forward ✕ Element not carried forward NA Element is Not Applicable			Potential Solutions						
			Installation of Major Underground Conduits	Limited Structural Improvements Or Additions	Existing Channel Improvements	Regional Detention Facilities	Local Detention Facilities	Flood Proofing Critical Facilities	Non-Structural Methods
Identified Problem Areas	1	Flooding Associated with US-36 Overflow	●	NA	NA	●	●	NA	● ³
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								

- Notes:
1. Potential solution conflicts for known uses of City of Boulder Open Space.
 2. Potential solution conflicts with a known habitat conservation area or Threatened and endangered (T&E) species habitat.
 3. Potential solution has right of way constraints.

South Boulder Creek Flood Mitigation Study
Potential Solutions Matrix - US-36 to Baseline Road

<p>● Element will be carried forward</p> <p>✘ Element not carried forward</p> <p>NA Element is Not Applicable</p>			Potential Solutions							
			Installation of Major Underground Conduits	Limited Structural Improvements Or Additions	Existing Channel Improvements	Regional Detention Facilities	Local Detention Facilities	Flood Proofing Critical Facilities	Non-Structural Methods	Flow Diversion
Identified Problem Areas	1	S. Boulder Rd. Inundation from Dry Creek Ditch #2	●	●	●	●	✘ ^{2,4}	NA	●	✘
	2	S. Boulder Rd. Inundation from Viele Channel	✘ ²	● ²	✘ ²	●	✘ ²	NA	●	● ³
	3	S. Boulder Rd. Inundation from New Anderson Ditch	●	●	●	●	✘ ³	NA	●	● ³
	4	Structures Inundated between US-36 and Baseline Road	●	NA	● ³	●	●	●	●	● ³
	5	Inundation of Baseline Road	●	NA	● ³	●	●	NA	●	● ³
	6	Inundation of Foothills Parkway and Baseline Road Intersection	●	●	● ²	●	✘ ³	NA	●	● ³
	7									
	8									
	9									
	10									

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South Boulder Creek Flood Mitigation Study
Potential Solutions Matrix - Baseline Road to Arapahoe Avenue

● Element will be carried forward ✕ Element not carried forward NA Element is Not Applicable			Potential Solutions							
			Installation of Major Underground Conduits	Limited Structural Improvements Or Additions	Existing Channel Improvements	Regional Detention Facilities	Local Detention Facilities	Flood Proofing Critical Facilities	Non-Structural Methods	Flow Diversion
Identified Problem Areas	1	Structures Inundated between Baseline Rd. & Wellman Ditch	●	●	● ³	●	✕ ³	●	●	✕
	2	Structures Inundated between Wellman Ditch & Arapahoe Avenue	●	●	● ³	●	●	NA	●	● ³
	3	Inundation of Arapahoe Avenue	●	●	● ³	●	●	NA	●	● ³
	4	Inundation of Foothills Parkway North of Baseline Road	●	●	NA	●	✕ ³	NA	●	● ³
	5	Bear Canyon Creek / Wellman Ditch Flow Inundating West Valley	● ^{1,2}	● ^{1,2}	● ^{1,2}	●	● ³	NA	●	● ³
	6									
	7									
	8									
	9									
	10									

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South Boulder Creek Flood Mitigation Study
Potential Solutions Matrix - North of Arapahoe Avenue

<p>● Element will be carried forward</p> <p>✘ Element not carried forward</p> <p>NA Element is Not Applicable</p>			Potential Solutions							
			Installation of Major Underground Conduits	Limited Structural Improvements Or Additions	Existing Channel Improvements	Regional Detention Facilities	Local Detention Facilities	Flood Proofing Critical Facilities	Non-Structural Methods	Flow Diversion
Identified Problem Areas	1	Structures Inundated between Arapahoe Avenue & BNSF RR	●	NA	● ³	●	✘ ³	NA	●	● ³
	2	Businesses Inundated Downstream of BNSF Railroad	●	NA	✘ ²	●	✘ ³	NA	●	● ³
	3	Structures Inundated Below Arapahoe Avenue	●	NA	NA	●	✘ ³	NA	●	● ³
	4	Inundation of Foothills Parkway North of Baseline Road	●	●	NA	●	✘ ³	NA	●	● ³
	5	Bear Canyon Creek / Wellman Ditch Flow Inundating West Valley	● ^{1,2}	● ^{1,2}	● ^{1,2}	●	● ³	NA	●	● ³
	6									
	7									
	8									
	9									
	10									

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