

# Consultant & Contractor Workshop *for* CDBG-DR Access Projects

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January 19, 2016



**Boulder County**  
Colorado

# Today's Agenda

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- Home Access Team (Access)
- Clearance and Demolition Team (C&D)
- Section 3 Coordinator (Sect 3)
- Building Permit Team (BP)
- Private Infrastructure Team (PI)
- Floodplain Development Team (FDP)
- County Engineer (CE)

# Funding Hierarchy

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- Federal Housing and Urban Development Office (HUD)
  - Colorado Department of Local Affairs (DOLA)
    - Boulder County

# Home Access Team

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Kate Williams – Home Access Coord.

Matt Betz – Home Access/ C&D Coord.

Brian Graham – Home Access Prog. Mgr.



# Home Access Program

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- Scope of Work
  - Updates
- Payment Schedule
- Change Orders

# Q & A

Access

C&D

Sect 3

BP

PI

FDP

CE



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# Clearance & Demo.

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Matt Betz – Home Access/ C&D Coord.

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# Clearance and Demo.

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- Bidding → separate from other DR programs
- Contracting → separate
- Invoicing → separate
  
- Can appear as separate line item



# Q & A

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# Section 3 Compliance

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Matt Betz – Section 3 Compliance Ofc.

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# Applicability

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- Any Home Access Project
- Any project funded with CDBG-DR Resiliency Funds
- Other projects funded with CDBG-DR funds, as determined by County

# Hiring & Reporting

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- Hiring/Subbing Responsibilities
  - Inclusive, not restrictive hiring practices
  - Prove due diligence in hiring Section 3 businesses/employees
    - Using Section 3 hiring language
    - Providing screenshots/photos/receipts of job postings
- Reporting
  - GC and all subs, all positions, all services
  - Annually or at project end
    - Whichever comes first



# Q & A

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# Plans Examiner Supervisor

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Michelle Huebner

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# Building Permits

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- Application
- Payment
- Signatures

# Deconstruction Permits

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- Application
- Payment
- Signatures



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# Private Infrastructure Team

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Amy Willits – DR Point of Contact

Chad Schroeder – Transportation Point of Contact

Anita Riley – Team Supervisor

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# Transportation Updates & Outstanding Private Infrastructure Issues

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Newly updated Engineer's Certification Statement with guidance provided by RESPEC:

*"I hereby affirm that the design calculations and plans for the private access bridge at [insert address] were prepared by me, or under my direct supervision, for the owners thereof, in accordance with the requirements of the International Building Code, the Boulder County Land Use Code, the Boulder County Multimodal Transportation Standards, the Boulder County Storm Drainage Criteria Manual, any approved variances and exceptions thereto, and my professional engineering judgment. I understand that Boulder County does not and will not assume liability for facilities, structures, or improvements designed by others".*

# Cover for Abutment Footers

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- Required Depth: 4 feet
- Required Fill Material: Earthen Fill (entire amount)
- Design Exception Form to be filled out if any other option chosen for abutments



# Curbs & Guardrails

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- Guardrails can be designed according to the modified TL-2 standard – per the memo issued by the County Engineer; located in your packets
- Curbs can be accepted with approved Design Exception

# Traffic Control

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- County Staff will determine if a Traffic Control Plan is required
- As a reminder, all final Traffic Control Plans can use the template provided, but **MUST** be signed off by a Traffic Control Supervisor
- For DR Bid Tabs, please itemize into 3 components:
  - Signage (Lump Sum)
  - Flaggers (by the hour)
  - TCS (by the day)

# Mid-point Survey

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- Needs to be submitted to Land Use, not POC or Floodplain
- Must be completed prior to pouring of walls

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# Floodplain Development

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Harry Katz - DR Point of Contact  
Varda Blum – Team Supervisor

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# FDP

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- Required for any development in a regulatory floodplain
- Boulder County Land Use Code Article 4-400
- National Flood Insurance Program
- Storm Drainage Criteria Manual
- Multimodal Transportation Standards

# Application

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- Combined with Bridge Permit application
  - Submit Bridge Permit application to Land Use Department
  - Get a Building Permit and FDP in return
- Pick up permits from Land Use Department
  - Signature required from property owner or engineer listed on FDP
- Fee is waived for flood recovery project until further notice
  - \$50 fee for non-flood recovery projects

# Primary Materials to Submit

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- Hydraulic modeling report demonstrating no-rise compared to pre-flood\* or existing conditions
  - \*Comparison to pre-flood will be phased out in the “near” future to help with re-mapping efforts
- HEC-RAS files for existing and proposed conditions
- Site plan showing location of cross-sections



# Modeling

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- Flows
  - CDOT/CWCB and FIS flows
    - Use whatever study has the higher 100 year flow
- Guard rails
  - Must be included
- Scour
  - Calculations must be included in final report for scour and riprap countermeasures

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# County Engineer

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Mike Thomas, P.E.

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# Design Standards - Bridges

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- Multi-modal Transportation Standards
- Storm Drainage Criteria Manual – Boulder County
- Original Manual Adopted 1984
- Interim Revisions in 2014 for Floodplain Issues only
- AASHTO
- International Building Code



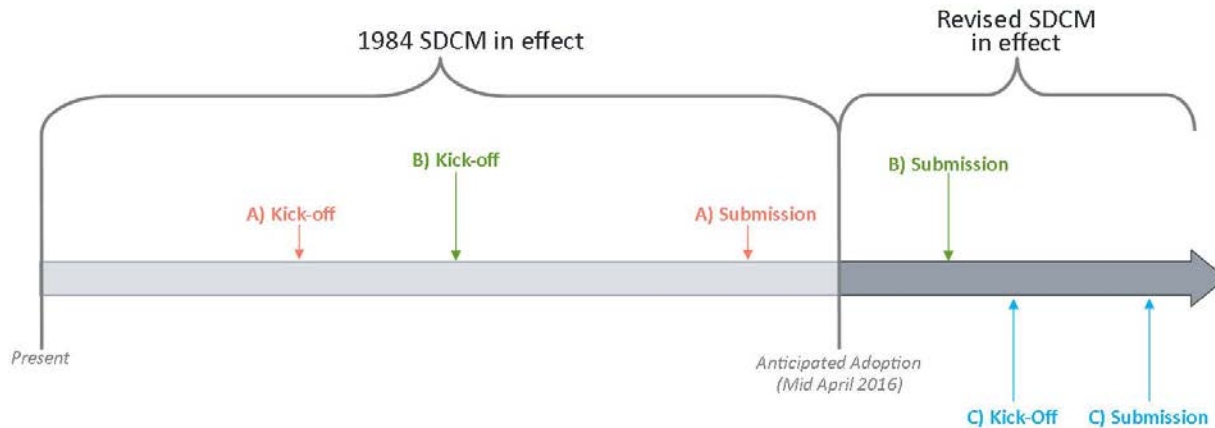
# Storm Drainage Criteria Manual Update

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- Current Version approved in 1984 under revision
- Expected final adoption of full revision in April, 2016
- Effective for all projects started after adoption

# SDCM Transition

## Revised SDCM Approval Timeline



**Scenario A— 1984 SDCM applies. Consultant may submit Design Exception if standards cannot be met.**

**Scenario B— Either SDCM applies- Client's choice.**

**Scenario C— Revised SDCM applies.**

Jan 14, 2016

# Design Exceptions

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- Must be provided for instances when:
  - Site conditions constrain adherence to applicable standards
  - Proposed Exception does not compromise safety to public
- Temporary conditions (i.e., construction methods) are not acceptable for DE
- Licensed Engineer must complete form and stamp/sign
- County Engineer may or may not grant exception

# County Road Projects

(all time frames subject to change)

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- Salina Jct. (Spring '16)
- ***Longmont Dam Rd. (Spring/Summer '16)***
- ***Lefthand Canyon (Winter '15 – Winter '16)***
- Geer Canyon (Spring/Summer '16)
- 83rd St. / Little Thompson (Spring/Summer '16)
- ***Wagon Wheel Gap (Summer - Winter '16)***



# County Road Projects (cont'd)

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- 60 N. Cedarbrook (Spring/Summer '16)
- ***Fourmile Canyon***
  - Upper (Wallstreet) (Summer/Fall '16)
  - Gold Run (Summer/Fall '16)
  - Logan Mill (Fall '16)
  - Lower (Winter '16 - Fall '17)
- ***James Canyon (Fall '16 – Summer '17)***
- Misc. other Bridge and Road Repairs

# County Road Project Coordination

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- County projects may repair/replace drainage culverts
- Private bridges not replaced by County
- County will provide approximate road edge and elevation for private tie-in
- Need to discuss with county project engineer on timing

# County Road Project Coordination (cont'd)

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- LiDar data can be provided for site-specific use
- CLOMR data for County project can be provided
  - Private property develops site specific CLOMR
  - Share CLOMR back to County for final CLOMR/LOMR process

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