



Drainage & Value Engineering – West Corridor

1. Drainage will be designed at a level to protect the trackway in all locations.
 - In a 100-year event, there may be water that runs over the track and may affect operation for 45 minutes to an hour.
 - Once water subsides, there will be no damage to the trackway.
 - The 65% design kept a 100-year event under the ballast level.
2. RTD is improving the current drainage in all areas, except Perry which will remain the same.
3. Under all scenarios, RTD will not increase the level of the floodplain and in many cases we actually lower the floodplain in the area.
4. There are only 5 locations (with 8 conduits) along the West Corridor that are being considered for change. Of the 8 conduits:
 - Four currently convey the 2-year event
 - 2 change to 5-year event
 - 1 changes to 50-year event
 - 1 changes to 100-year event
 - One currently conveys the 5-year event
 - It changes to a 10-year event
 - Two currently convey the 10-year event
 - 2 remain at 10-year event
 - One currently conveys the 50-year event
 - It remains at 50-year event
5. RTD will continue working with the technical staff of each of the affected agencies as the storm drainage system is designed for the West Corridor.
6. At a minimum, RTD will follow current criteria of local jurisdictions and the Urban Drainage and Flood Control District (UDFCD). See attached memo regarding drainage criteria for the UDFCD, and the cities of Denver, Lakewood, Aurora and Westminster.