# Corrected Optimum Asphalt Content (COAC)





## A Brief History

- Early concerns that lead to the implementation of COAC in SC:
  Dry mix designs
  Early pavement failures

- SC Ashy paverness on a second second
- \* users: 1995-2020
   \*Performance listing: APA 1998
   \* COAC SCDOT felt that our virgin mix designs were too low on neat AC
   \* weres 2000
   \*Performance Testing: APA & Ideal CT

### SCDOT's Performance

- \*Evolution of COAC
   \*SCDOT adopted ratio: 75-25 Based on discussions within the SCDOT & Contractors QIC Meetings
   \*Objective: To improve durability of asphalt mixtures and reduce cracking concerns with recycled designs.

- Thicker Binder Film Thickness– Less Prone to Stripping

- Initial cost \$ with (+ 0.2 0.5) more PG 64-22 or 76-22
- If too high could cause bleeding Establish lower limits on AV / VFA.