

Picture This - Camera Tips

John Saiki, PE

Morton County Engineer



Reaching New Heights

34th Annual North Central Local Roads Conference
Rapid City, SD - October 16-17, 2019



Photography

- Brief History
- How photography has changed
- Stayed the same
- Technics anyone can use
 - Documenting events (work related)
 - Make aesthetically pleasing photographs

My story

- It all started in 1976 at age 15
 - Pinhole camera (Oatmeal Camera)
- Saved to buy a Nikkormat Ft-3
- Built a Darkroom
- Photographer through College
- Made change to digital in 2000

- 2012 - Ten percent of all the photos taken in all of history were taken in the previous 12 months. (Amy Hobbs)



NUMBER OF PHOTOS TAKEN EACH YEAR



Significant Cameras

- Circa 1850 - Daguerreotype
- 1860s - Wet Plate Photography



- 1880s - George Eastman develops film
 - Black and White film
 - Color
- Circa 1900 - Kodak Brownie
- 1930s - 1959 Graflex Speed Graphic



- 1959 Nikon F
- 1976 Canon AE-1
- 1980s and on



Techniques Anyone Can Use

- Documentation
 - Don't try to encompass everything



Breakdown the scene



Include something of scale



Include something of scale



Include something of scale







Maintain level horizon



Avoid “dramatic effect”

















2019 North Central Local Roads Conference

Check the Background





3212

N312US



Aesthetically Pleasing

- Rule of Thirds



Lighting

- Avoid photos with a clear blue sky
 - Clouds add contrast and depth



Avoid photos at high noon



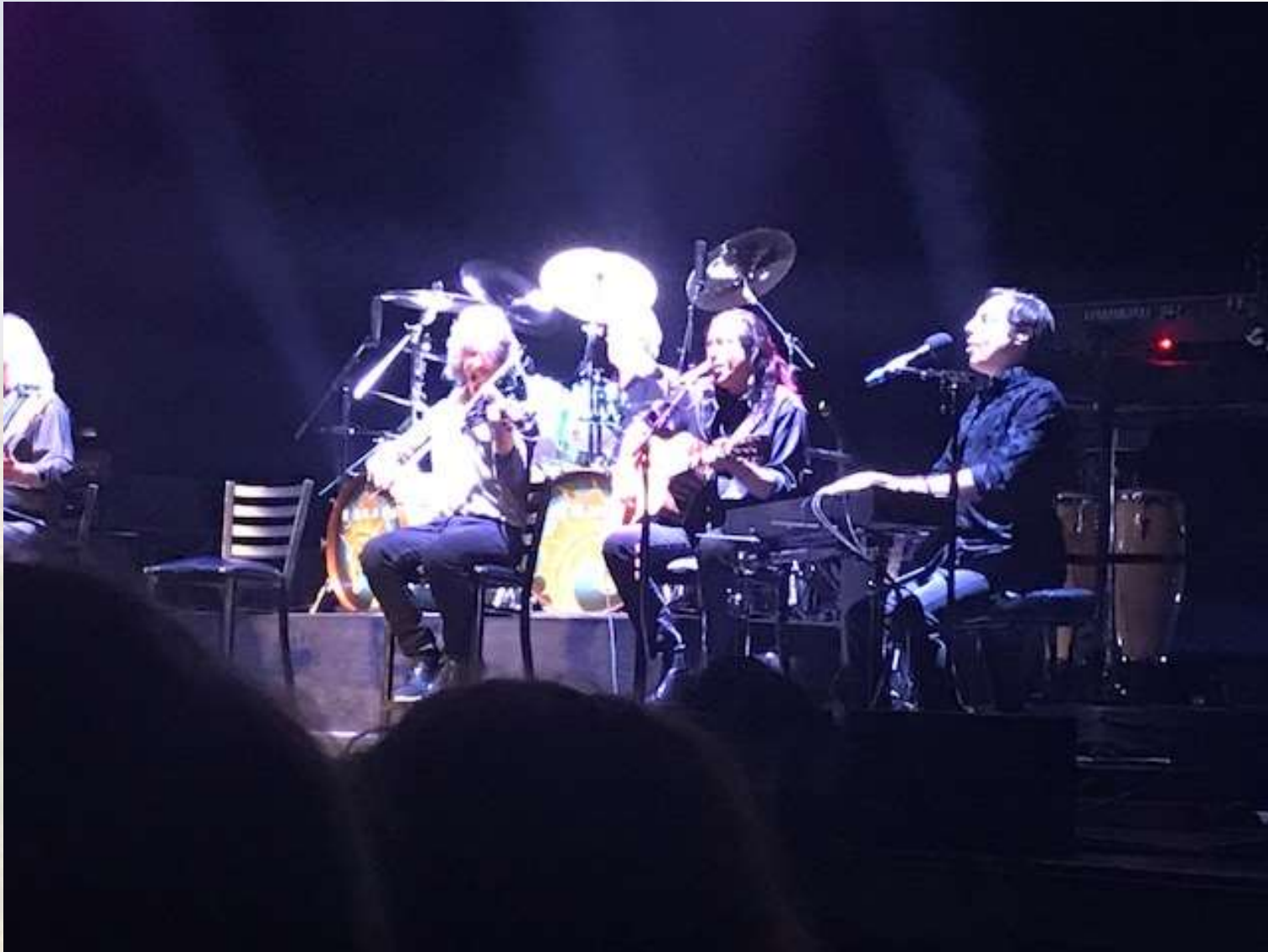
Patience



Avoid over/under exposure



Avoid over/under exposure



Avoid over/under exposure



Emphasize movement



4/18/2008

Emphasize movement



Emphasize movement



Emphasize movement



Control Depth of Field





Control Depth of Field



Control Depth of Field

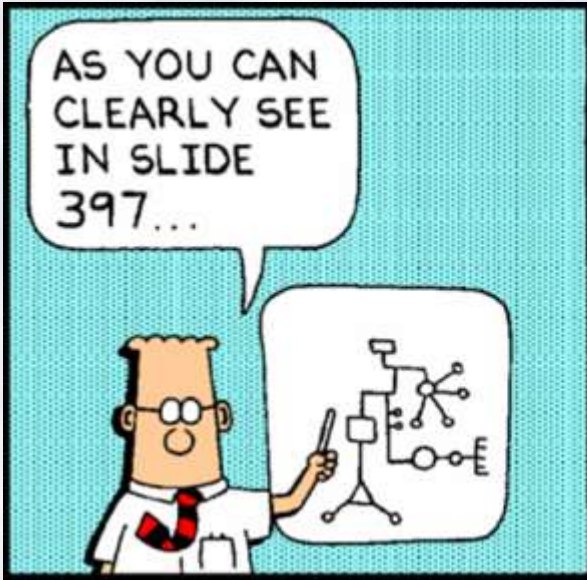


Control Depth of Field



Cell Phones





Questions?