

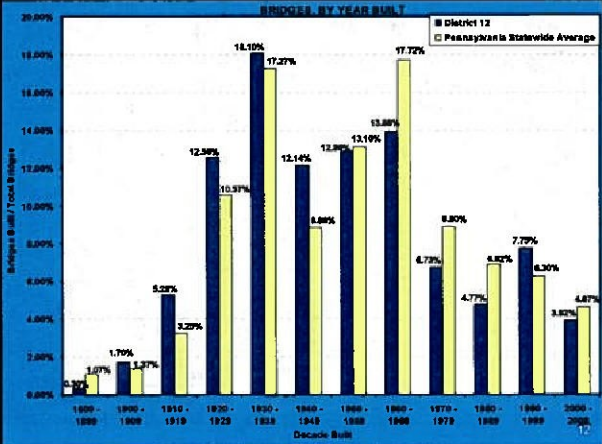
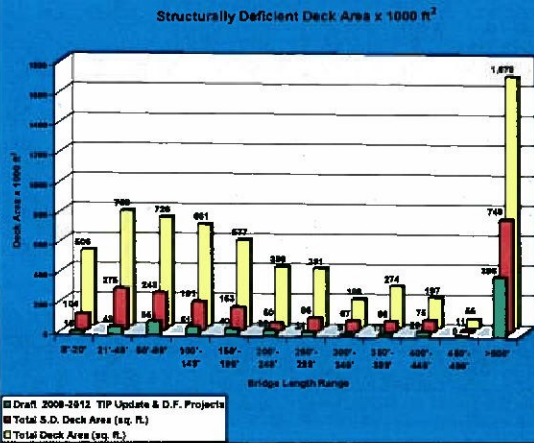
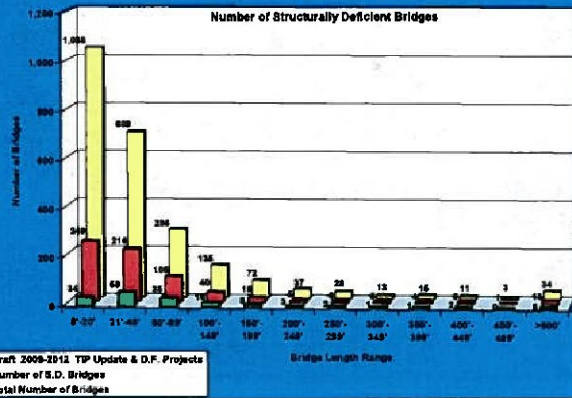
House Transportation Committee Hearing



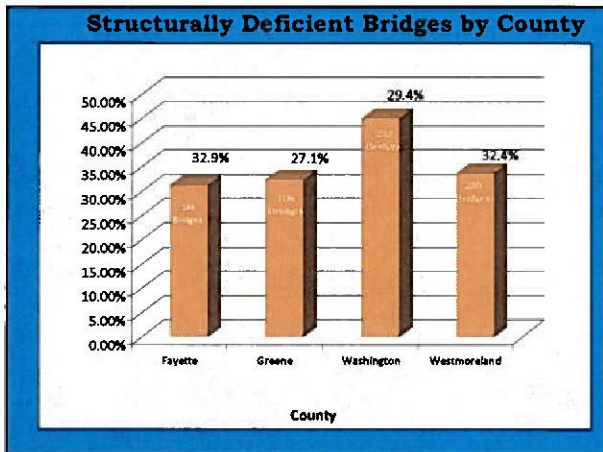
By Joseph J. Szczur, P.E.
 District Executive
 Eng. District 12
 July 29, 2008

District 12's Bridge Crisis

- District 12 is responsible for 2,359 bridges in its four county area. (4th in the state).
- Intensified our bridge inspection / analysis process following the I-70 beam collapse on Lakeview Drive Bridge in December 2005.
- Totally re-vamped planning and programming strategies to emphasize and accelerate bridge re-habilitation and re-construction projects.
- District 12 has 719 structurally deficient bridges
 - 435 bridges 'on Deck' for becoming "SD"

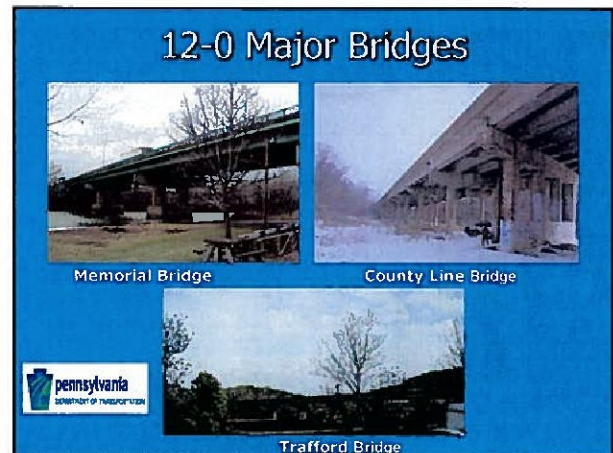
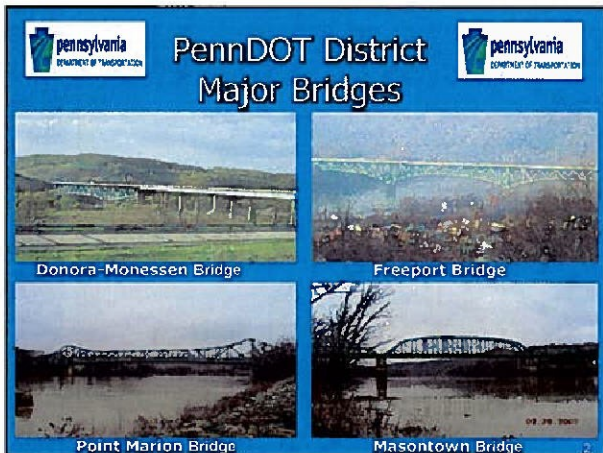


- Anticipate significantly higher growth rate than 0.75% in our District
- Most recent actual four-year average growth rate of 2.45%
- Project at least a 1.5% growth rate
- Presently 435 bridges with deck and/or superstructure condition rating of "5" ...likely the next SD bridges



District 12 - TIP Impact

- Since the I-70 beam collapse, District 12 reevaluated the TIP and began setting the stage financially to repair our SD bridges.
- During the 2009 TIP update the District along with SPC and the four counties made tough decisions to develop a fiscally constrained program focusing on cost/benefit, highway/traveler safety and reducing the number of structurally deficient bridges.
- Our 2009 Draft TIP changed dramatically in response to the Governor's statewide goal to let 1145 bridges in 3 years.
- District 12 flexed approximately \$50 million (over 4 years) in federal highway dollars to fund additional SD bridges and all available ACT 41 Funds to meet our portion of the 1145 bridge goal – (resulting in approx 70% of our TIP funds being directed to bridges)



Major Structures Needing Work District 12

Estimated Design/Construction Costs

(SD) Masontown (SR 21) – (Bid 2011)	\$72 M
(SD) Point Marion (SR 88) – (Bid 2007)	\$25 M
(SD) Memorial (SR 119) – (Bid 2009)	\$17 M
(SD) Donora-Monessen (SR 1077) – (Bid 2008)	\$30 M
(SD) Freeport (SR 395) – (Bid 2010)	\$65 M
(SD) Seward (SR 95) – (Bid 2009)	\$11 M
(SD) Trafford (SR 136) – (Bid 2010)	\$13 M
(SD) County Line (SR 119) – (Bid 2011)	\$21 M
(SD) Taylor (SR 4035) (Single Lane)	\$18 M
(SD) Amara-Webster (SR 1022) (3 Lanes)	\$29 M
(SD) Donora-Monessen (SR 1018)	\$30 M
(SD) West Newton (SR 154)	\$10 M
(SD) Salina (SR 1060) (10 Lanes)	\$13 M
Total	\$354 M (Estimated)

SD area = 13.41%

SD Deck area of these bridges equals 12.4%

Green color = Fully Programmed in Draft TIP

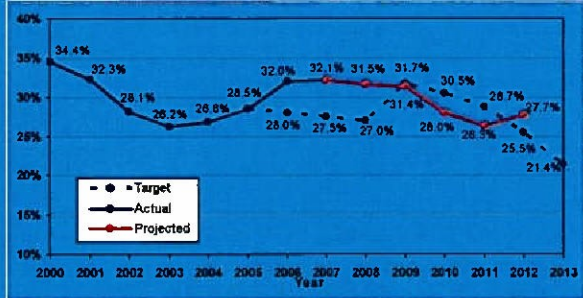
Orange Color = Bridge Construction

RI = Railings

District 12 Accelerated Bridge Program

- Target 40 bridge rehabilitations/replacements per yr.
- Majority of designs will be Design/Build
- Average \$120 million/yr on bridge work
- Target 8-12 small bridge replacements in maintenance per year
- Target \$6- \$8 million /yr. on bridge preservation
- Maintain flexibility to react instantly to emergency repairs

District Trend - SD Bridges by Deck Area
(Assumes 1.5% SD "growth")



POINT MARION BRIDGE
Questions ?

