Missouri Department of Transportation



Paula Gough, P.E., District Engineer

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2007 Missouri Quality Award Winner

December 5, 2008

Mr. Joe Jones MoDOT Design Division 1320 Creek Trail Dr. Jefferson City, MO 65109

RE: NE District Route AA 2009 Awards for Excellence Nomination

Dear Mr. Jones:

Enclosed please find the application form of the Northeast District nomination of 2009 Awards for Excellence for Route AA Clark County bridge replacement.

It appeared as if the project would never become reality as two separate lettings revealed excessively high bids for a bridge redeck. Several members of the team brainstormed how to get better bids and determined it was possible to utilize some already-owned prestressed concrete girders that were eliminated from another project through value engineering after construction began. In addition, we were able to fit the project into existing right of way and close the road by working with local officials to use a county road as a detour.

The project embraced the MoDOT values of seeking out ideas that increased our options and providing the best value on a project for the area.

The full bridge replacement only exceeded the original estimate of a redeck by about \$20,000, and we were able to widen the bridge and improve safety.

Thank you for considering this project for a 2009 Award for Excellence in the small project category.

Sincerely,

Tom Batenhorst, P.E. District Design Engineer

2009 APPLICATION FORM

(required for each entry)

Complete this section for (chec	ck one): XSmall Project	□Large Project
	□Post-Design Solut	tion □Off System Project
No. <u>J3S0653</u> Ro		unty / LPAClark
scription (attach separate sheet if necess imment using Commission-owned pressive to bid it as a redeck, each time only use engineering change on another projulating just the deck on the old bridge. If and made the bridge nearly mainter	stressed concrete girders. The getting one high bid. Since we ject, we made use of them in but we were able to eliminate two	old bridge was 20' wide and we tried we had some girders left over from a building a new bridge instead of
Project Leader Richard Domza	alski, P.E. Transportation Project	<u>Manager</u>
Key Team Members (include key pe	ersonnel irrespective of emplo	oyer-nine individuals
maximum)		
Dave Silvester, ADE	Paul Kelley, Bridge	Brian Untiedt, Traffic
Travis Koestner, CO Design	Bryan Fessler, Design	Ray Jansen, SPM
Dave McEuen, Hydraulics/Bridge	Nate Muenks, Environmental	
Macy Rodenbaugh, District Construction	n/Materials Engineer	
Project Budget:		
Initial Cost / Estimate \$266,000*	Final Cost	/ Award \$285,000
*originally a bridge redeck/ended up as		7 Award \$200,000
What would make this entry stand	•	tries when considering
MoDOT's practical design philoso		•
sheet if necessary)	, p. 1, 1 (iii layman o tormo 200 i	merae er remer anaem eeparate
What made this practical was fitting	the project into the existing ri	oht-of-way so we didn't have
to buy more right-of-way, or rebuild		· ·
already purchased concrete girders th	, <u>i</u>	
engineering. Implementation of thes		
eliminating the need to ever paint the		.
accident rates were low, so we didn't	_	_
accident rates were row, so we druit	t have to install a lot of guardre	all We worked with Clark

able to close Route AA during construction. In return, we installed temporary speed limit signs

and provided some gravel for the county road.







Prestressed concrete girders are being set on Route AA for a bridge replacement in Clark County

