ABC Innovative Projects

Depot Street	Bridge							
Location	Depot Street over the Rogue River in the city of Rogue River in Jackson County, southern Oregon							
State	Oregon							
Owner	State							
Year ABC Built	2006							
State ID #	OR 1927	3						
NBI#	19273							
Coordinates	Latitude: 42.43111 Longitude: -123.17083							
	Bruce V. Johnson, P.E. State Bridge Engineer Oregon Department of Transportation Phone: 503-986-3344 Email: bruce.v.johnson@odot.state.or.us							
Mobility Impact Time	ABC: 5	days			Convention	al:	3 years	
Impact	Tier	r 1	Tier 2	Ti	ier 3	•	Tier 4	Tier 5
Category					Х			
Driver(s)	 reduced onsite construction time improved work-zone safety improved site constructability improved material quality and product durability minimized environmental impacts 							
Description	prestre span • Urban • Averag • Traffic detour Existing The exist concrete wide show obsolete Replacen The repla	essed cor location ge Daily 1 manager <i>Bridge:</i> ing 5-spa spread fo ulders. B and requ ment Bri acement I of the cor d a cast-i	an through-truss boting substructu uilt in 1956, the b ired replacemen dge: bridge has three horete tied arch r n-place slab app	bridge w bridge w rre. It had bridge wa t. 12-ft-wid nain spa	,000-ton hori) ucted conver as 433.83 ft l d two 12-ft-wi as structurally le traffic lane n, a precast j	zoni ntior ong de t / de s an ores	tal skid of nally: exter and 26 ft fraffic lane ficient and nd two 5-ft	306-ft-long main nded use of 5-mile wide with s and two 1-ft- l functionally wide shoulders. It oncrete l-girder

	connect with intersec	ting roadways						
	Construction Methods: The contractor built the tied arch span on temporary supports approximately 25 ft from the existing bridge and built the new abutments and pier under the existing bridge while maintaining traffic. The traffic was then temporarily re-routed onto the new bridge. The existing bridge was demolished and the substructure for the new bridge was finished. Traffic was then detoured and the new bridge was closed.							
	Twelve hydraulic jacks on steel plates were placed under the bridge. The jacks were connected to one pressure system for even pressure in all jacks. The jacks lifted the bridge, the temporary blocking was removed, and a hydraulic skid system was installed. The skid system had a stainless steel bottom and sat on Teflon pads coated with a special lubricant. The jacks were released onto the skid system and the bridge was skidded laterally to its final location. No overlay was applied.							
	The 3-year construction project required only one 5-day closure of the bridge.							
High Performance Materials	•							
Photos								
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Additional photos			ALC.		NOGLE RIVER (DEPO)	8 TREE 1 - 888 1927 - DEPA	7 Yr. Hr. 9333 BDE ELEVATION 019577	
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photos Project	State process	Is Site Procureme	ent				Ill lane closure	
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Information	
	ODOT Bridge Engineering Website [http://www.oregon.gov/ODOT/HWY/BRIDGE/]
Photo Credits	Oregon Department of Transportation

* Specific to the ABC used in the project.