## **Final Project Delivery Method Selection Checklist**

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P	Project SR9/ Marsh Road to 2nd Street - Widening	Date:	1/8/20	)20				
	Title:	WIN:	A0091	2K				
F	Route: SR9	PIN:	10091	2K				
ſ	MP(s): 8.41 to 9.68	List any	additional	PINs	at bot	tom or		
	Cost: \$142,600,000	attached	d to this fo	rm.				
P	Part I — Cost RCW 47.20.785 does not encourage Design-Build for a project contra	ct cost /DE 9. Co	netrustia	n) loss		ĆO NASIIS		
	s the Project Estimate less than \$2 Million?	ct cost (FE & Ct	mstruction	i) less	ulan.	>Z IVIIII	ion	
	$\Box$ Yes — A selection process and authorization are not required — the delivery method i	c Docian Pid	Puild					
	✓ □ No — Continue to Part II	s Design-blu	-bulla.					
-	Part II — RCW 47.20.785 Project Qualifications for Design-Build Method							
1	. Are construction activities highly specialized?				] Yes	$\boxtimes$	No	
	. Is a DB approach critical in developing the construction methodology?				Yes	$\boxtimes$	No	
3	. Does the project provide opportunity for greater innovation & efficiencies between the c	designer & b	uilder?		Yes	$\boxtimes$	No	
4	. Would use of DB result in significant reduction to the overall project schedule or critical r	milestones?			Yes	$\boxtimes$	No	
If	f <u>Yes</u> was selected for <u>any</u> of questions 1 through 4 above, Design-Build is a viable PDM opt	ion. (Go to	Part III)					
If	No was selected for all of the questions 1 through 4 above, it indicates Design-Bid-Build as	the PDM —	get aut	hori	zatio	າ (end	1).	
P	art III — Project Questions							
	A. Are there 3rd party agreements with local government or agencies that require a ful	I docian hof	oro				_	
	execution? (Is a significant portion of the project impacted?)	i design ber	Ле	$\boxtimes$	Yes		No	
		art of the n	ormit an	nlies	tion			
	processes. The new bridge will span BNSF and Spohomish river and is a significant portion	n of this pro	iect with	plica	noin	Ч		
	procurements items; Pre-Stressed and Steel Plate Girders.	ii oi tiiis pio	jeet witi	1 1011	g ica			
	B. Are there long lead, lengthy environmental permits or ROW issues that would delay	start of						
	Construction? (Is a significant portion of the project impacted?)			$\boxtimes$	Yes		No	
	Justification: Yes, based on the preferred alternative to widen on the Westside of existing	SR9, ROW	acquisiti	on o	f exis	ting	$\neg$	
	farmland will be needed. Also, a Coast Guard Bridge Permits (12 month review after 1009						s	
	404 Individual permits (12 month review after SEPA) will be required as there will be impa							
	in the Snohomish River to install pier/shafts for the new bridge.							
	C. Is early obligation of funds necessary? (Such as a deadline to obligate grant funding)			$\boxtimes$	No		res	
	Justification: Legislative funding for the this project under Connecting Washington (CWA)	is spread o	ver at le	ast 4	l vea	rs whi	ch	
	s sufficient to complete the design and construction. Thus, there is no immediate need for early obligation of funds especially							
is sufficient to complete the design and construction. Thus, there is no immediate need for early obligations considering that the existing facility will continue to be operational during construction of the new bridge								
$\supset$	minimal traffic interruptions.	government or agencies that require a full design before impacted?)  ast Guard require 100% bridge design as part of the permit application sonohomish river and is a significant portion of this project with long lead te Girders.  permits or ROW issues that would delay start of ject impacted?)  ative to widen on the Westside of existing SR9, ROW acquisition of existing idge Permits (12 month review after 100% Design) and US Corps of Engineer's EPA) will be required as there will be impacts to the existing navigable channel the new bridge.  Ch as a deadline to obligate grant funding)  ject under Connecting Washington (CWA) is spread over at least 4 years which exition. Thus, there is no immediate need for early obligation of funds especially to be operational during construction of the new bridge and widening with  Yes No  Yes No  Yes No  Toject is finalizing the project foot print, ROW acquisition and Environmental the to complete. This time is sufficient to complete the 100% design while						
	D. Is there time to prepare 100% design?				7000000000			
Ц	Justification: The current critical paths for this project is finalizing the project foot print, R							
I		omplete the	100% d	esigr	า whi	le		
0	concurrently pursue ROW acquisition and permits.							
Note that hature 2000 and 2012 MCDOT and the last of the control o								
	basemap, utility locations, cross sections for site data, approved Chan plans, approved TSI							
	preferred alternative for bridge and widening, wetland delineation, identification of TDAs				itii a			
	documentation, design deviations.	, most envir	אוווופוונפ	11				
	E. Is there a need to compress the schedule?				NI.			
	the service company distribution days are company to company the company of the c				No	□ Y	es I	

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Part III — Project Questions							
Justification: Compressing the schedule is not required, the design schedule's critical path is the e		95					
	quisition with 3rd party control. Also, there is no need to compress the construction schedule as there are long lead						
items which include: signal poles, precast concrete and steel plate girders - other works can proce	ed during th	ne p	rocu	reme	ent		
of long lead items							
F. Do funding limits restrict when the schedule can start?							
(Such as the Biennium)			Yes	$\boxtimes$	No		
Justification: Funding for project was approved July 2019. Also, the legislative funding distribution	allows for	the	proje	ct to	ho		
and spread-out for three biennium's.	allows for	lile	proje	ינו נט	De		
G. Are there significant risks that could be better managed by others than WSDOT?			No	П	Yes		
Justification: With proximity to flood plain, navigable waterway, BNSF, and airport; the highest ris	ks for this n						
environmental permits and approvals from outside agencies. WSDOT started the coordination and							
project in 2010.	ı permitting	, pro	ocess	IOIL	1115		
The majority of the environmental documentations and reports are completed and are currently be	noina roviou	und	and i	ında	tod.		
by NWR Environmental team. Thus, WSDOT have already taken ownership and performed majorit							
the project. Therefore, it will be ineffective at the current level of what has already been complete					ונ		
process again by turning over the high risk items to others than WSDOT.	tu to restart	. tile	e wiic	ле			
process again by turning over the night lisk items to others than wisbot.							
H. Does the project involve specialty engineering or high-tech designs or have other opportuniti	es for		Na		Vac		
innovation?			No		Yes		
Justification: The answer to this question is both "yes" and "no". It is agreed that there might be o	pportunitie	s fo	r inn	ovati	ons		
especially in bridge design and construction methods. However, these innovation might not be feat	asible or pra	ctic	al du	e to t	the		
high risks and constraints involved in this project. For example, the bridge over Snohomish river w							
of 300 ft. of unsupported span. Per the US Coast Guard, no piers will be allowed in the river and the							
will need to be maintained.							
In addition, due to close proximity to Harvey Airfield with noise abatement rules, the FAA will not	allow direct	flig	hts o	ver t	he		
City of Snohomish thus moving the flight path over the Snohomish River Bridge and the FAA will no	ot allow the	nev	w brid	dge t	o be		
higher than the existing bridge for example using a cable stay bridge. This limits the selection of th	e bridge typ	e th	nat ca	an			
address the long unsupported span with vertical clearance restriction							
address the long unsupported span with vertical clearance restriction  I. Does the project require complex phasing and staging with the possibility of high impacts to t	ho nublic?	_					
1. Does the project require complex phasing and staging with the possibility of high impacts to t	ne public:	$\boxtimes$	No		Yes		
	L						
Justification: There is not much phasing or staging needed for this project as a new separate bridg				oe bu	iilt		
while the existing facility remains fully operational. Thus, there will be minimum impacts to the tra	veling publi	c dı	uring				
construction.							
J. Does an existing road or facility need to remain in service? (no options for detour, or no alternate fac	cility			5-3	.,		
available, and a significant portion of the project is impacted)		П	No	$\boxtimes$	Yes		
Justification: The SR9 over Snohomish river is one of the main corridors connecting the City of Sno	homish with	ı th	e Citv	of L	ake		
Stevens to the north and the City of Woodinville to the south. The existing Snohomish River bridge							
the construction of the new adjacent bridge.					5		
,							
However, there is alternate detour route with reasonable distance through Airport Way that can b	e used for t	he r	minin	nal			
works needed during tie-ins between new and existing facility.							
K. Is WSDOT willing to give up control of design and/or construction on this project?	_	×	No	$\boxtimes$	Yes		
<b>Justification:</b> Yes, but due to previously identified risks we do not think it makes sense. See Item (	à.						
L. Are critical 3rd party involvement and changes likely during design & construction?		$\square$	Yes	П	No		
The state of the s		$\sim$	162		IVU		

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Part III — Project Questions									
Justification: There have been critical 3rd party involvemen	t including the City & County of Snohomish, and Id	ocal partners for							
this project since 2003.									
completed a 30+ mile SR9 Corridor Study in the Spring of 20 identified for improvements. WSDOT completed the bridge	In collaboration with WSDOT, the SR9 Corridor Working group (CWG) was created from this group. The CWG conducted and completed a 30+ mile SR9 Corridor Study in the Spring of 2010. The SR9/Marsh to 2nd Widening is one of the projects identified for improvements. WSDOT completed the bridge Type, Size and Location (TLS) for the project and it was presented to the CWG prior to approval by HQ with a preferred alternative.								
Thus, the likeliness of critical changes to the project are min continue to validate the previously identified needs through updates.									
M. Is early certainty of the total project cost important?  (Increased certainty of total cost early in the project needed due to fu	unding or project constraints)	□ No ⊠ Yes							
Justification: Projects under CWA are funded at the project level which requires legislative approvals to make changes. Thus, increased certainty of total project cost is important to make sure the project will have sufficient funds for design and construction. However, an estimate of \$111M was developed in 2011 based on the preferred alternative and design-bid-build (DBB) delivery method. This estimate was reviewed again early this year 2019 and updated to \$141M taking into account future cost escalations with the same DBB delivery method. The legislative budget for the project is \$142M - the project is still within budget as of the date writing this PDMSG.									
Sum each column to the right—a checked answer is worth one (1) point. The columended delivery method.  Project Delivery Method indicated from the responses to the quality DBB    DB    Inconclusive	<u>1</u>	DBB <u>DB</u> 10 5							
The project cost is:  ☐ less than \$25 million — get Authorization Level 1 (below)  ☐ \$25 million or greater, but less than \$100 million — get Aut  ☑ \$100 million or greater — apply Project Delivery Selection M									
Final Project Delivery Method Selected									
☑ Design-Bid-Build ☐ Design-Build									
Authorization Level 1									
Project Engineer	12 N/1/								
Name: Kyengo Ndile, P.E.	Signature: Maile 13 Jan	1 2030							
PDE/EM Manager	,	- 1. 34							
Name: Cathy George, P.E.	Signature:	13/2020							
Authorization Level 2	00	V							
ASCE/ASDE									
Name:	Signature:								
Regional Administrator	- 0								
Name: Mike Coffen	Signature: Mil oller 1.	16-2020							
,		-							

Attach project information, assumptions and additional justification to Form

PDMSG 9/26/2019 Version does require ASCE/ASDE signatures