


CITY OF MARYSVILLE AGENDA BILL

EXECUTIVE SUMMARY FOR ACTION

CITY COUNCIL MEETING DATE: September 10, 2018

AGENDA ITEM:	
Local Programs State Funding Agreement and Project Prospectus with WSDOT re Grove Street Overcrossing	
PREPARED BY:	DIRECTOR APPROVAL:
Jeff Laycock, City Engineer	
DEPARTMENT:	
Engineering	
ATTACHMENTS:	
Award Letter Project Prospectus Local Programs State Funding Agreement Vicinity Map Typical Section Documented Engineer's Estimate Funding Checklist	
BUDGET CODE:	AMOUNT:
	\$500,000
SUMMARY: The City received \$500,000 in State transportation funds towards design of the Grove Street Overcrossing project. Since this is a state funded project, the funds are administered through WSDOT and a Local Programs State Funding Agreement (agreement) and Project Prospectus (prospectus) are required in order to obligate funding. The agreement ensures that state funds in the agreed upon amount are spent in accordance with all applicable laws and regulations. The prospectus serves as the support document for authorization of state funds.	

RECOMMENDED ACTION: Staff recommends that Council authorize the Mayor to sign and execute the Local Programs State Funding Agreement and Project Prospectus with WSDOT thereby securing design funding for the Grove Street Overcrossing Project.



March 28, 2018

Mr. Kevin Nielsen
Public Works Director
City of Marysville
80 Columbia Avenue
Marysville, WA 98270-4540

**Grove Street Overcrossing
2018 Supplemental Transportation Budget
State Funding**

Dear Mr. Nielsen: *Kov*

WSDOT is pleased to advise you that the above mentioned project was selected to receive funding through the 2018 Supplemental Transportation Budget. The state funding is limited as shown below:

Grove Street Overcrossing **\$500,000**
Scope: A new overcrossing at the BNSF mainline between Cedar Ave and State Ave to help to eliminate significant congestion and traffic backups currently experienced due to train traffic through the city.

In order to meet state requirements, the following are required:

- Project expenditures incurred before receiving notice from Local Programs of state fund authorization are not eligible for reimbursement.
- Please refer to the Local Programs web page for detailed authorization information, including: (<http://www.wsdot.wa.gov/localprograms/>)
 - ✓ Local Agency Guidelines (LAG) manual for detailed requirements;
 - ✓ Transportation Improvement Program (TIP) and Statewide Transportation Improvement Program (STIP) amendments, as applicable;
 - ✓ Funding and billing forms;
 - ✓ Quarterly Project Report required to be completed by the end of March, June, September, and December each year. To access the database you will need an account name and password. Your account name is **Marysville** and your password is **Marys088**. The password is case sensitive.

As a reminder, Local Programs encourages all agencies to submit monthly progress billings to ensure timely reimbursement of eligible expenditures.

For assistance please contact Mehrdad Moini, your Region Local Programs Engineer, at 206.440.4734.

Sincerely,

Kathleen B. Davis
Director
Local Programs

KBD:st:sas

cc: PSRC, Kelly McGourty, Transportation Director
Mehrdad Moini, Northwest Region Local Program Engineer, MS NB82/121



**Local Agency Federal Aid
Project Prospectus**

Prefix	Route	()	Date	7/12/2018
Federal Aid Project Number			DUNS Number	076658673
Local Agency Project Number	R1702	(WSDOT Use Only)	Federal Employer Tax ID Number	91-6001459

Agency City of Marysville	CA Agency <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Federal Program Title <input type="checkbox"/> 20.205 <input type="checkbox"/> Other			
Project Title Grove Street Overcrossing	Start Latitude N 48° 3'40.40" End Latitude N 48° 3'40.70"	Start Longitude W 122°10'49.33" End Longitude W 122°10'37.00"			
Project Termini From-To Cedar Avenue State Avenue	Nearest City Name Marysville	Project Zip Code (+4) 98270-3601			
Begin Mile Post N/A	End Mile Post N/A	Length of Project 850 feet	Award Type <input checked="" type="checkbox"/> Local <input type="checkbox"/> Local Forces <input type="checkbox"/> State <input type="checkbox"/> Railroad		
Route ID N/A	Begin Mile Point	End Mile Point	City Number 0745	County Number 31	County Name Snohomish
WSDOT Region Northwest Region	Legislative District(s) 38	Congressional District(s) 2	Urban Area Number 1		

Phase	Total Estimated Cost (Nearest Hundred Dollar)	Local Agency Funding (Nearest Hundred Dollar)	Federal Funds (Nearest Hundred Dollar)	Phase Start Date	
				Month	Year
P.E.	\$2,427,000	\$1,927,000	\$500,000	September	2018
R/W	\$500,000	\$500,000			
Const.	\$18,607,000	\$18,607,000			
Total	\$21,534,000	\$20,034,000	\$500,000		

Description of Existing Facility (Existing Design and Present Condition)

Roadway Width 44'	Number of Lanes 2 to 3-lanes
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There is an existing at-grade crossing with railroad crossing gates. Grove Street is fully built-out with curb and gutter, sidewalks, bicycle lanes and 2 travel lanes and variable width left-turn lane.

Description of Proposed Work

Description of Proposed Work (Attach additional sheet(s) if necessary)

A new overcrossing at the BNSF mainline between Cedar Avenue and State Avenue to help eliminate congestion currently experienced due to train traffic through the City.

Local Agency Contact Person Jeff Laycock, P.E.	Title City Engineer	Phone (360) 363-8274	
Mailing Address 80 Columbia Ave	City Marysville	State WA	Zip Code 98270
Project Prospectus	By _____ Title City Engineer	Approving Authority _____ Date	

Agency City of Marysville	Project Title Grove Street Overcrossing	Date 7/12/2018
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Type of Proposed Work		
Project Type (Check all that Apply)	Roadway Width 65'	Number of Lanes 4-lanes
<input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Path / Trail <input type="checkbox"/> 3-R <input type="checkbox"/> Reconstruction <input checked="" type="checkbox"/> Pedestrian / Facilities <input type="checkbox"/> 2-R <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Parking <input type="checkbox"/> Other <input checked="" type="checkbox"/> Bridge		

Geometric Design Data		
Description	Through Route	Crossroad
Federal Functional Classification	<input type="checkbox"/> Principal Arterial <input type="checkbox"/> Minor Arterial <input type="checkbox"/> Collector <input checked="" type="checkbox"/> Major Collector <input type="checkbox"/> Minor Collector <input type="checkbox"/> Local Access <input checked="" type="checkbox"/> Urban <input type="checkbox"/> Rural <input type="checkbox"/> NHS	<input checked="" type="checkbox"/> Principal Arterial <input checked="" type="checkbox"/> Minor Arterial <input type="checkbox"/> Collector <input type="checkbox"/> Major Collector <input type="checkbox"/> Minor Collector <input type="checkbox"/> Local Access <input checked="" type="checkbox"/> Urban <input type="checkbox"/> Rural <input type="checkbox"/> NHS
Terrain	<input checked="" type="checkbox"/> Flat <input type="checkbox"/> Roll <input type="checkbox"/> Mountain	<input checked="" type="checkbox"/> Flat <input type="checkbox"/> Roll <input type="checkbox"/> Mountain
Posted Speed	25	30
Design Speed	25	30
Existing ADT	8000	10000, 12000
Design Year ADT	12500	15000, 20000
Design Year	2040	N/A
Design Hourly Volume (DHV)	N/A	N/A

Performance of Work		
Preliminary Engineering Will Be Performed By Consultant	Others 100 %	Agency 0 %
Construction Will Be Performed By Contractor	Contract 100 %	Agency %

Environmental Classification	
<input type="checkbox"/> Class I - Environmental Impact Statement (EIS) <input type="checkbox"/> Project Involves NEPA/SEPA Section 404 Interagency Agreement <input type="checkbox"/> Class III - Environmental Assessment (EA) <input type="checkbox"/> Project Involves NEPA/SEPA Section 404 Interagency Agreements	<input checked="" type="checkbox"/> Class II - Categorical Excluded (CE) <input checked="" type="checkbox"/> Projects Requiring Documentation (Documented CE)

Environmental Considerations None.

Agency City of Marysville	Project Title Grove Street Overcrossing	Date 7/12/2018
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Right of Way		
<input type="checkbox"/> No Right of Way Needed * All construction required by the contract can be accomplished within the existing right of way.	<input checked="" type="checkbox"/> Right of Way Needed	<input type="checkbox"/> Relocation Required
	<input checked="" type="checkbox"/> No Relocation	

Utilities	Railroad
<input type="checkbox"/> No utility work required	<input type="checkbox"/> No railroad work required
<input type="checkbox"/> All utility work will be completed prior to the start of the construction contract	<input type="checkbox"/> All railroad work will be completed prior to the start of the construction contract
<input checked="" type="checkbox"/> All utility work will be completed in coordination with the construction contract	<input checked="" type="checkbox"/> All the railroad work will be completed in coordination with the construction contract

Description of Utility Relocation or Adjustments and Existing Major Structures Involved in the Project

Utility relocation will be reviewed during design. The project proposes elimination of the at-grade crossing with an overcrossing, so the railroad will be a stakeholder in the project.

FAA Involvement

Is any airport located within 3.2 kilometers (2 miles) of the proposed project? Yes No

Remarks

This project has been reviewed by the legislative body of the administration agency or agencies, or its designee, and is not inconsistent with the agency's comprehensive plan for community development.

Agency City of Marysville

Date

By _____
Mayor/Chairperson



Local Programs State Funding Agreement Work by Public Agencies		Agency and Address City of Marysville 80 Columbia Ave Marysville, WA 98270
Agreement Number	Maximum Amount Authorized 500,000.00	Location and Description of Work (See also Exhibit "A") A new overcrossing at the BNSF mainline between Cedar Avenue and State Avenue to help eliminate congestion currently experienced due to train traffic through the City.
Participating Percentage 100.00%	Project Number	

This AGREEMENT is made and entered into this _____ day of _____, between the STATE OF WASHINGTON, Department of Transportation, acting by and through the Secretary of Transportation, hereinafter called the "STATE," and the above named organization, hereinafter call the "AGENCY."

WHEREAS, the AGENCY is planning the work shown above, and in connection therewith, the AGENCY has requested financial assistance for the project or program, and

WHEREAS, the AGENCY has requested funds for the above shown project or program, which has been selected by the STATE for funding assistance.

NOW THEREFORE, in consideration of the terms, conditions, covenants, and performances contained herein, or attached and incorporated and made a part hereof, IT IS MUTUALLY AGREE AS FOLLOWS:

Type of Work		Estimate of Funding		
		(1) Estimated Total Project Funds	(2) Estimated Agency Funds	(3) Estimated State Funds
PE	a. Agency			
	b. Other Consultant	500,000.00		500,000.00
	c. Other Consultant	1,927,000.00	1,927,000.00	
	d. State			
	e. Total PE Cost Estimate (a+b+c+d)	\$ 2,427,000.00	\$ 1,927,000.00	\$ 500,000.00
Right of Way	f. Agency			
	g. Other			
	h. Other			
	i. State			
	J. Total R/W Cost Estimate (f+g+h+i)	\$ 0.00	\$ 0.00	\$ 0.00
Construction	k. Contract			
	l. Other			
	m. Other			
	n. Other			
	o. Agency			
	p. State			
	q. Total CN Cost Estimate (k+l+m+n+o+p)	\$ 0.00	\$ 0.00	\$ 0.00
r. Total Project Cost Estimate (e+j+q)	\$ 2,427,000.00	\$ 1,927,000.00	\$ 500,000.00	

**I
General**

The AGENCY agrees to perform the above described work in accordance with the Project Application attached hereto as "Exhibit A" and made a part of this AGREEMENT.

Plans, specifications, and cost estimates shall be prepared by the AGENCY in accordance with the current State of Washington Standard Specifications for Road, Bridge, and Municipal Construction and adopted design standards, unless otherwise noted. The AGENCY will incorporate the plans and specifications into the AGENCY's project and thereafter advertise the resulting project for bid and, assuming bids are received and a contract is awarded, administer the contract, or if the project is of a size which the AGENCY is authorized to perform with its own forces under the laws of the State of Washington, the AGENCY may proceed with its own forces.

All work performed under this AGREEMENT shall comply with the applicable provisions of state law.

**II
Payment**

The STATE, in consideration of the faithful performance of the work to be performed by the AGENCY, agrees to reimburse the AGENCY for the percentage of the actual direct and related indirect cost of the work shown above, up to the "MAXIMUM AMOUNT AUTHORIZED". The agency will comply with Governmental Accounting Auditing and Financial Reporting Standards and applicable state law and local regulations, policies and procedures. No payment will be made for work done prior to execution of this AGREEMENT.

Partial payments shall be made by the STATE, upon request of the AGENCY, to cover costs incurred. These payments are not to be more frequent than one (1) per month. It is agreed that any such partial payment will not constitute agreement as to the appropriateness of any item and that, at the time of the final audit, all required adjustments will be made and reflected in a final payment. The AGENCY agrees to submit a final bill to the STATE within forty-five (45) days after the AGENCY has completed work.

The AGENCY agrees that all costs in excess of the amount authorized and the AGENCY's matching funds shall be the responsibility of the AGENCY.

**III
Audit**

The AGENCY agrees that an audit may be conducted by the STATE. During the progress of the work and for a period not less than three (3) years from the date of final payment to the AGENCY, the records and accounts pertaining to the work and accounting thereof are to be kept available for inspection and audit by the STATE and copies of all records, accounts, documents, or other data pertaining to the project will be furnished upon request. If any litigation, claim, or audit is commenced, the records and accounts along with supporting documentation shall be retained until all litigation, claim, or audit finding has been resolved even though such litigation, claim, or audit continues past the three-year retention period.

IN WITNESS WHEREOF, the parties hereto have executed this AGREEMENT on the day and year last written below.

AGENCY

By: _____

Title: Jon Nehring, Mayor

Date: _____

**IV
Legal Relations**

No liability shall attach to the AGENCY or the STATE by reason of entering into this AGREEMENT except as expressly provided herein.

**V
Nondiscrimination**

The AGENCY agrees to comply with all applicable state and federal laws, rules, and regulations pertaining to nondiscrimination and agrees to require the same of all subcontractors providing services or performing any work using funds provided under this AGREEMENT.

**VI
Venue**

For the convenience of the parties to this AGREEMENT, it is agreed that any claims and/or causes of action which the AGENCY has against the STATE, growing out of this AGREEMENT or the project or program with which it is concerned, shall be brought only in the Superior Court for Thurston County.

**VII
Termination**

The Secretary of the Department of Transportation may terminate this AGREEMENT if the funding becomes unavailable or if the Secretary determines that it is in the best interest of the STATE.

**VIII
Final Report and Final Inspection**

Within ninety (90) days following the completion of the project and submission of the final billing for the project, a final report and/or final inspection shall be submitted to the Director, Highways & Local Programs containing the following information:

Non-Capital Projects

1. A description of the project or program.
2. A summary of actual costs of the project or program.
3. An evaluation of the project or program. This should address aspects such as transportation and/or other benefits to the public.

Capital Projects

1. A final inspection is required.

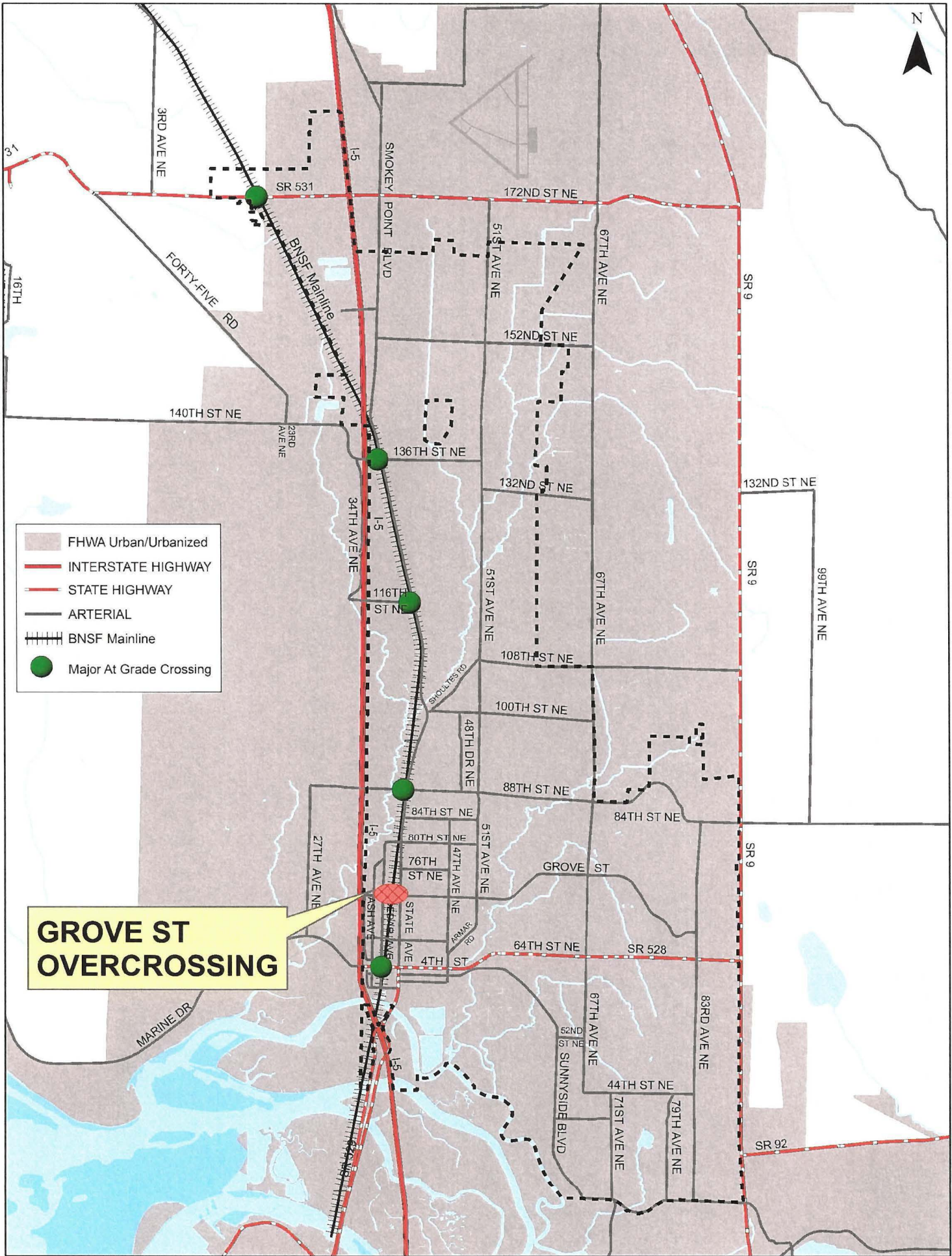
**IX
Supplement**

This agreement may be modified or supplemented only in writing by parties.

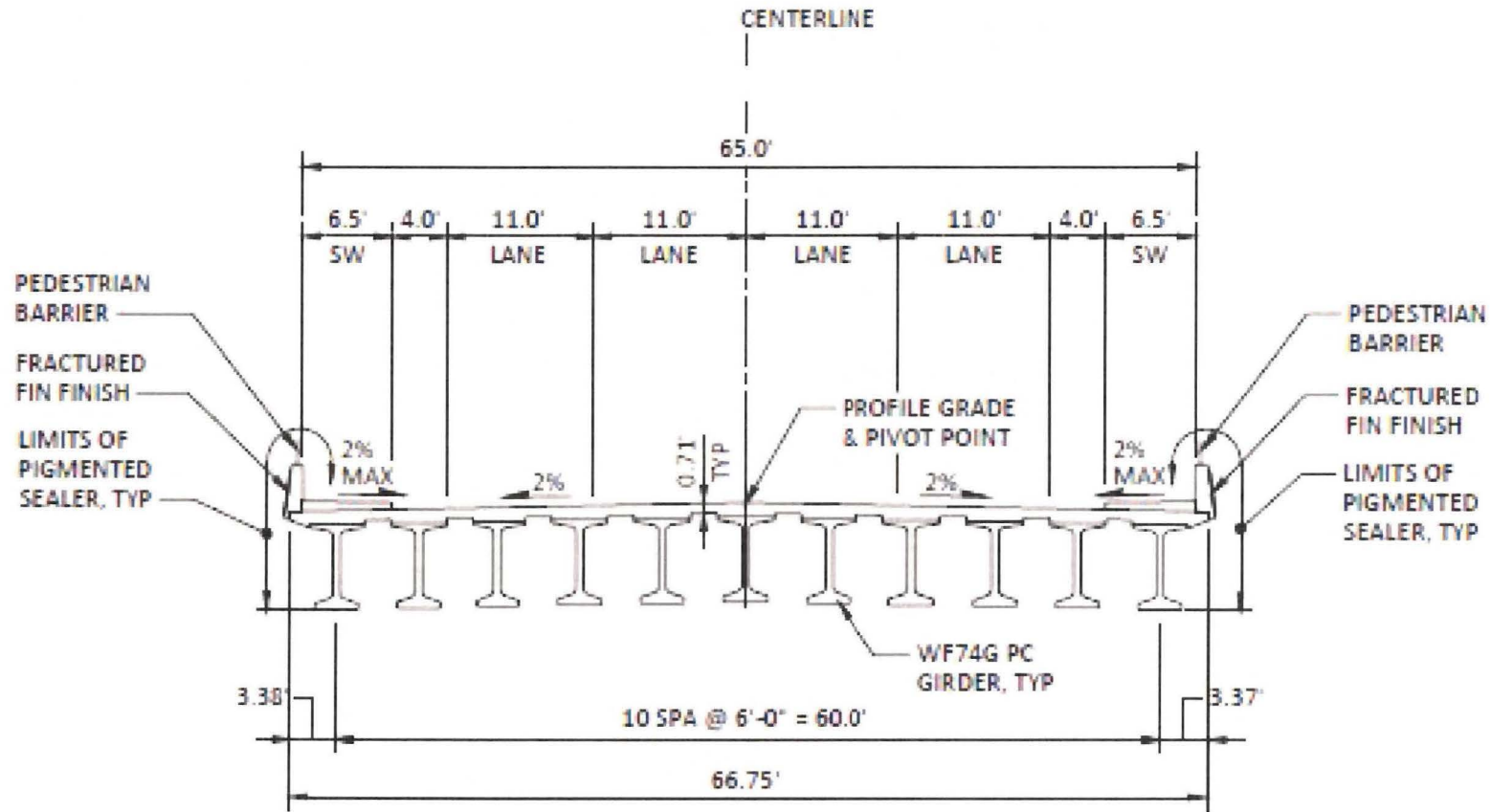
STATE

By: _____
Director, Local Programs

Date: _____



**GROVE ST
OVERCROSSING**



TYPICAL SECTION

PROJECT: City of Marysville - Grove Street Grade Separation
FILE NAME: \\archiveserv\NewformaArchive\2015\A15.0036\00\ProjMgt\Submittals\Memo\150805\Over - East Ramp(Main Cost).xls]Summary
SUBJECT: COST ESTIMATE
DESIGNER: GAB
DATE: 16-Jul-18

COST ESTIMATE SUMMARY - BRIDGE

SUBSTRUCTURE					
1	SHAFT EXCAVATION INCL. HAUL	1,375	C.Y.	\$ 400	\$ 550,000
2	FURNISHING TEMP. CASING FOR 8 FT. DIAM. SHAFT	720	L.F.	\$ 275	\$ 198,000
3	PLACING TEMP. CASING FOR 8 FT. DIAM. SHAFT	6	EACH	\$ 750	\$ 4,500
4	REMOVING OBSTRUCTIONS (15% OF SHAFT SUBTOTAL)	1	F.A.	\$ 231,285	\$ 231,300
5	CSL ACCESS TUBE	5,760	L.F.	\$ 6.00	\$ 34,600
6	CSL TESTING	6	EACH	\$ 2,500	\$ 15,000
7	ST. REINF. BAR FOR BRIDGE	71,000	LB.	\$ 1.00	\$ 71,000
8	ST. REINF. BAR FOR SHAFT	269,000	LB.	\$ 1.00	\$ 269,000
9	EPOXY COATED REINF. BAR FOR BRIDGE	7,100	LB.	\$ 1.25	\$ 8,900
10	CONC. CLASS 4000 FOR BRIDGE	355	C.Y.	\$ 750	\$ 266,300
11	CONC. CLASS 4000P FOR SHAFTS	1,345	C.Y.	\$ 350	\$ 470,800
12	TRAFFIC BARRIER	240	L.F.	\$ 100	\$ 24,000
13	BRIDGE RAILING TYPER BP	240	L.F.	\$ 85	\$ 20,400
14	PIGMENTED SEALER	605	S.Y.	\$ 9.00	\$ 5,500
SUBTOTAL SUBSTRUCTURE =					\$ 2,169,300

SUPERSTRUCTURE					
1	ST. REINF. BAR	92,826	LB.	\$ 1.00	\$ 92,900
2	EPOXY-COATED ST. REINF. BAR	73,283	LB.	\$ 1.25	\$ 91,700
3	PRESTRESSED PRECAST GIRDERS: WF50G	1,080	L.F.	\$ 275	\$ 297,000
4	GIRDER ERECTION	9	EACH	\$ 2,500	\$ 22,500
5	CONCRETE CLASS 4000	221	C.Y.	\$ 500	\$ 110,300
6	CONCRETE CLASS 4000D	268	C.Y.	\$ 600	\$ 160,800
7	CEMENT CONCRETE SIDEWALK	175	S.Y.	\$ 100	\$ 17,500
8	ELASTOMERIC BEARING PAD - CONC. GIRDERS	18	EACH	\$ 200	\$ 3,600
9	ELASTOMERIC BEARING PAD - CONC. GIRDERS LONG. STC	18	EACH	\$ 200	\$ 3,600
10	GROUT PADS FOR ELASTOMERIC BEARINGS	18	EACH	\$ 20	\$ 400
11	TIMBER BLOCK GIRDER SUPPORTS	18	EACH	\$ 20	\$ 400
12	EXPANSION JOINT SYSTEM - STRIP SEAL	100	L.F.	\$ 175	\$ 17,500
13	DIAPHRAGM ANCHOR INSERTS AND BOLTS	1	L.S.	\$ 2,000	\$ 2,000
SUBTOTAL SUPERSTRUCTURE =					\$ 820,200

SUBTOTAL BRIDGE =					\$ 2,989,500
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Cost/LF \$ 24,913

PROJECT: *City of Marysville - Grove Street Grade Separation*
FILE NAME: \\archiveserv\NewformaArchive\2015\A15.0036\00\ProjMgt\Submittals\Memo\150805\Over - East Ramp(Main Cost).xls]Summary
SUBJECT: **COST ESTIMATE**
DESIGNER: GAB
DATE: 16-Jul-18

COST ESTIMATE SUMMARY - FILL APPROACHES

EAST SIDE STRUCTURAL EARTH WALL - FILL APPROACH					
1	STRUCTURAL EARTH WALL	17,870	S.F.	\$ 40	\$ 714,900
2	SEW TRAFFIC BARRIER	716	L.F.	\$ 100	\$ 71,700
3	BRIDGE RAILING TYPE BP	716	L.F.	\$ 60	\$ 43,000
4	PIGMENTED SEALER	2,383	S.Y.	\$ 9.00	\$ 21,500
5	GRAVEL BORROW INCL. HAUL	19,386	C.Y.	\$ 30	\$ 581,600
6	STRUCTURE EXCAVATION CLASS B INCL. HAUL	4,144	C.Y.	\$ 40	\$ 165,800
7	HAZ MAT EXCAVATION INCL. HAUL	0	C.Y.	\$ 75	\$ -
8	GROUND IMPROVEMENT (STONE COLUMNS)	0	EACH	\$ 2,600	\$ -
9	CRUSHED SURFACING BASE COURSE	1,494	C.Y.	\$ 30	\$ 44,900
10	HOT MIXED ASPHALT	1,046	TON	\$ 100	\$ 104,600
SUBTOTAL EAST SIDE STRUCTURAL EARTH WALL - FILL APPROACH =					\$ 1,748,000

WEST SIDE STRUCTURAL EARTH WALL - FILL APPROACH					
1	STRUCTURAL EARTH WALL	20,207	S.F.	\$ 40	\$ 808,300
2	SEW TRAFFIC BARRIER	1,125	L.F.	\$ 100	\$ 112,500
3	BRIDGE RAILING TYPE BP	1,125	L.F.	\$ 60	\$ 67,500
4	PIGMENTED SEALER	2,129	S.Y.	\$ 9.00	\$ 19,200
5	GRAVEL BORROW INCL. HAUL	23,751	C.Y.	\$ 30	\$ 712,600
6	STRUCTURE EXCAVATION CLASS B INCL. HAUL	5,521	C.Y.	\$ 40	\$ 220,900
7	HAZ MAT EXCAVATION INCL. HAUL	0	C.Y.	\$ 75	\$ -
8	GROUND IMPROVEMENT (STONE COLUMNS)	0	EACH	\$ 2,000	\$ -
9	CRUSHED SURFACING BASE COURSE	2,053	C.Y.	\$ 30	\$ 61,600
10	HOT MIXED ASPHALT	1,091	TON	\$ 100	\$ 109,100
SUBTOTAL WEST SIDE STRUCTURAL EARTH WALL - FILL APPROACH =					\$ 2,111,700

SUBTOTAL BRIDGE APPROACHES =					\$ 3,859,700
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Cost/LF
4,193

PROJECT: *City of Marysville - Grove Street Grade Separation*
SUBJECT: COST ESTIMATE - OVERCROSSING
DATE: 16-Jul-18

Estimate Subtotal		\$ 6,849,200
Other Costs	35%	\$ 3,097,220
Mobilization	10%	\$ 994,642
Estimated Bid Price (2015 Dollars)		\$ 10,942,000
Inflation (3%/year) for 4 years	12%	\$ 1,314,000
Estimated Bid Price (2019)		\$ 12,256,000
Estimating Design Contingency	20%	\$ 2,452,000
Estimated Bid Cost w/ Contingency		\$ 14,708,000
Construction Contingency	10%	\$ 1,471,000
Estimated Total Payments to Contractor (2019 Dollars)		\$ 16,179,000
Estimated Reimbursement for Construction by Railroad Forces (BNSF)		-
Estimated Project Cost for Utility Construction by Others		-
Estimated Construction Administration & Inspection Costs	12%	\$ 1,942,000
Estimated Construction Engineering Costs	3%	\$ 486,000
Estimated Total Construction Costs		\$ 18,607,000
Estimated ROW Costs		\$ 500,000
Estimated Professional Engineering Costs	15%	\$ 2,427,000
ESTIMATED TOTAL PROJECT COST		\$ 21,534,000

QUANTITY CALCULATIONS - Main Bridge

Span Arrangement - numbered from west to east

Span [-]	Length [feet]	Girder [label]	Girder Lines [Qty]
1	120	WF50G	9
2	0	WF42G	0
3	0	WF42G	0
4	0	W83G	0
5	0	W83G	0
6	0	W74G	0

Crossbeams - numbered from west to east

Bent [-]	Skew [degrees]	Length [feet]	Width [feet]
1	0	66.75	6.333
2	0	66.75	6.333
3	0	66.75	6.333
4	0	66.75	6.333
5	0	66.75	6.333
6	0	66.75	6.333
7	0	66.75	6.333
			5

NOTE: Minimum Stage 1 Height Assum

NOTE:

Rotations are measured positive "counterclockwise".

Girder Size on Approach Span ...

o West	WF50G	To East ...	WF50G
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DECK: Volume of Con 5340 CF
198 CY

Linear Feet of Girders

Girder	Dist. From CL	Span							
		1	2	3	4	5	6		
1	30	120.00							
2	22.5	120.00							
3	15	120.00							
4	7.5	120.00							
5	0	120.00							
6	-7.5	120.00							
7	-15	120.00							
8	-22.5	120.00							
9	-30	120.00							
TOTA	WF42G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
L	WF50G	1080.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00
GIRDE	W83G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTA	WF42G	0	0	0	0	0	0	0	0
L	WF50G	1470.00	0.00	0.00	0	0	0	0	55
HAUN	W83G	0	0	0	0	0	0	0	0
									55
									70

Assume Extra 2 Girder Lines b/c of Deck End Haunches. Multiply the haunch calc. by the following: 1.222222222

Diaphragms

Span [label]	Qty Exterior [number]	Qty Interior [number]	Volume [CY]
1	2	3	23.67901235
2	0	0	0
3	0	0	-0
			25

Sidewalks and Barriers

Span [label]	Length [feet]	Total Area [SY]
1	120	173.3333333
2	0	0
3	0	0
Barrier	240	175
Bridge Railing	240	

Crossbeam Volumes

Bent [label]	Trigger [SS or CONT]	Height (West) [feet]	Height (East) [feet]	Area (West) [sq. feet]	Area (East) [sq. feet]	Hmin [feet]	del_H [feet]	Volume [CY]
1	SS	4.833333333	4.833333333	4.190972222	4.190972222	4.833333333	0	114.1301389
2	SS	4.833333333	4.833333333	4.190972222	4.190972222	4.833333333	0	114.1301389
3	0	4.833333333	4.833333333	4.190972222	4.190972222	4.833333333	0	0
4	0	4.833333333	4.833333333	4.190972222	4.190972222	4.833333333	0	0
								230

Deck ...

Width : 66.75 feet
Thickness : 8 inches

"A" - Line Dimension ...

Height : 12 inches Haunch Thickness : 4 inches

Gird. Spacing : 7.5 feet

No. Barriers : 2
Barrier Area : 6.274 sq. feet (from girder section spreadsheet)
accounts for both pedestrian and traffic

Sidewalk...

No. Sidewalks : 2
Width : 6.5 feet
Thickness : 6 inches

Diaphragms...

Interior Height : 2.604166667 feet
Thickness : 8 inches
Exterior Height : 3.104166667 feet
Thickness : 12 inches

Pigmented Sealer

Length : 240 feet
Width : 22.63541667 feet (from CADD)
Area : 605 SY

Expansion Joint System - Strip Seal

Quantity : 2
Length Per : 72.08333333 TOTAL : 145 LF

QUANTITY CALCULATIONS - Main Bridge

Curtain Wall Quantities

Bent [label]	Width [feet]	Height [feet]	Thickness [inches]	Qty Per Bent [number]	Volume [CY]
1	6.333	4.833333333	6	2	1.133685185
2	6.333	4.833333333	6	2	1.133685185
3	6.333	4.833333333	6	0	0
4	6.333	4.833333333	6	0	0
					5

Transverse Girder Stop Quantities

Bent [label]	Quantity [number]	Width [feet]	Length [feet]	Height [feet]	Volume [CY]
1	8	2.5	4.302083333	1.5	4.780092593
2	8	2.5	4.302083333	1.5	4.780092593
3	0	2.5	4.302083333	1.5	0
4	0	2.5	4.302083333	1.5	0
					10

Column Quantities

		Diameter:			Jacketed:		
Bent [label]	Columns/Bent [number]	EL Base of Col [feet]	EL Top of Col [feet]	Length [feet]	Volume [CY]	Length Casing [feet]	
1	3	29	49	60	43.6332313	0	
2	3	29	49	60	43.6332313	0	
3	0	0	0	0	0	0	
4	0	0	0	0	0	0	
Casing	0.75	Unit Cost: \$ 244 / LF		120	88	0	

Haz Mat Coeff 0.081300813

Shaft Quantities

		Diameter:							
Bent [label]	Shafts/Bent [number]	EL Bott Shaft [feet]	EL Top Shaft [feet]	Length [feet]	Volume [CY]	Temp Casing [feet]	Depth of EX [feet]	Volume of EX [CY]	No. CSL Tubes [number]
1	3	-91	29	360	670.2064328	360	369	686.9615936	24
2	3	-91	29	360	670.2064328	360	369	686.9615936	24
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
Casing	0.75	Unit Cost: \$ 316 / LF		720	1345	720	738	1375	48
							Haz Mat Ex	120	

QUANTITY CALCULATIONS - Main Bridge

PIER PROTECTION			
Bent [label]	Cols. / Bent [number]	Protection HT. [feet]	Volume [CY]
1	3	7	11
2	3	7	11
3	0	7	0
4	0	7	0
			22

Col. Diameter : 5
 Pier Protection Diam. : 6.5

SQUARE FOOTAGE 120 lf

Local Programs Authorization Package Checklist

Agency: City of Marysville
 Project Title: Grove Street Overcrossing
 Fed Aid/State Project #: _____

By Phase (check all that apply)

Funding Request	PL	PE	RW	CN
New Phase Authorization	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increase/Decrease	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Agency Region HQ
 Check Check Check

Project Prospectus (DOT Form 140-101) - LAG Chapter 21

Are all three pages included?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does information (title, termini, description, RW needs, cost, etc.) agree with STIP/LAA/NEPA-CE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the project description written such that the project scope is clear to all?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are pages 1 and 3 signed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is page 1 signed by a CA Agency? If not, indicate below which Agency will serve as CA. CA Agency: <u>City of Marysville</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the Latitude and Longitudes included and correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are Congressional and Legislative Districts filled out and correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Project Zip Code includes the +4?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are estimated costs included for all phases of the project?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the Functional Classification and Urban/Rural designation correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the Right of Way, Utilities, and Railroad sections filled out?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Typical Sections & Vicinity Map - LAG Chapter 21

Are the Vicinity Map(s) and Roadway Section(s) included?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can someone unfamiliar with the project's location easily tell where it's located using the vicinity map?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the project limits clearly marked on the map?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the section include all elements, with dimensions, of the roadway prism?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are section changes, if applicable, throughout the project limits noted/displayed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

STIP/Funding Documentation - LAG Chapter 12

Is the currently approved STIP page included?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does STIP information (termini, description, etc.) match the LAA and Prospectus?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are phases being authorized included in the STIP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is funding from all requested programs shown in the STIP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the requested funds supported by the STIP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If funded through a HQ managed program (ex. Bridge, Demo), is the award letter included?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Local Agency Agreement (DOT Forms 140-039 & 140-041) - LAG Chapter 22

Is at least one LAA or LAA supplement with an original signature included?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Current form used? (check revision date at bottom left)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All pages of Agreement included?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the Agency information, Project #, LAA #, Supplement #, and date of original agreement execution correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does project information (title, termini, length, description, etc.) agree with STIP/Prospectus/NEPA-CE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the reason for supplement accurate and up to date?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the Project Agreement End Date (month, day, and year) included? Does it follow LAG guidance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
When not authorizing a new phase, is the end date the same as shown on the previous agreement? If not, is adequate justification (see LAG 22.3) included to support changing the end date?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the Advertisement Date (month, day, and year) included? Is it within 6 weeks of estimated CN authorization?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If the indirect cost rate box is checked 'Yes', is the rate provided in the funding package?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If corrections made, are they initialed? If made by WSDOT is permission from Agency provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are funding amounts calculated correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the federal aid participation ratios correct, and are the requested federal amounts being maximized?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

