

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
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**** WARNING ** WARNING ** WARNING ** WARNING ****
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August 18, 2008

03-Nev,Sie-80-28.1/31.8, 0.0/1.6
03-3A2204
ACBIM-GV08(001)N

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in NEVADA AND SIERRA COUNTIES NEAR FLORISTON FROM THE TRUCKEE RIVER BRIDGE TO THE NEVADA STATE LINE.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on September 10, 2008, instead of the original date of August 26, 2008.

This addendum is being issued to revise the Project Plans, the Notice to Contractors and Special Provisions, the Proposal and Contract, the Federal Minimum Wages with Modification Number 14 dated August 8, 2008, and provide a copy of the Supplemental Information Handout.

Project Plan Sheets 59, 70, 75, 79, 90, 93, 101, 110, 116, 117, 118, 120, 122, 124, 126, 127, 128, 130, 132, and 133 are revised. Half-sized copies of the revised sheets are attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 4, "BEGINNING OF WORK, TIME OF COMPLETION, AND LIQUIDATED DAMAGES", Item No. 3 is added under paragraph 3 as follow:

"3. Copies of the completed applications for all required permits for PCC batch plant and confirmation of their submittal to the proper entities."

In the Special Provisions, Section 5-1.17, "PROJECT INFORMATION," under paragraph 2, items "H" and "I" are added as follows:

"H. Geotechnical Design Report Addendum dated 3/8/08
I. Drainage Work at Jurisdictional Waters of the US"

In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the following sentence is added to the eighth paragraph:

"An information handout is included for the drainage systems associated with jurisdictional waters of the US and in conjunction with the unnamed tributaries of the Truckee River."

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In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the eleventh paragraph is revised as follows:

"The Contractor shall inform the Traffic Office of Truck Services at (916) 322-4957 and the Engineer, 15 days in advance of reducing the travel way open to public traffic to less than 16 ft wide or the vertical clearances are less than 18 ft. The Contractor shall maintain access on Route 80 for permit loads during the work shifts. Permit loads are defined as overweight or oversized vehicles that have an approved permit for traveling this route."

In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the following paragraphs are added after the eleventh paragraph:

"The westbound on and off ramps to the Farad Interchange may be closed one time for a 30-day period. Both westbound ramps shall be open by 10:00 hrs. on the 31st day. This extended closure may be only used once during the contract. Proper detour signing shall also be in place during this extended closure. Both eastbound ramps at the interchange shall be open during this extended closure.

The eastbound on and off ramps to the Farad interchange may be closed one time for a 30-day period. Both eastbound ramps shall be open by 10:00 hrs. on the 31st day. This extended closure may be only used once during the contract. Proper detour signing shall also be in place during this extended closure. Both westbound ramps at the interchange shall be open during this extended closure."

In the Special Provisions, Section 10-1.24, "MAINTAINING TRAFFIC," lane closure charts no. 1, 2, 3, 4, 5 and 6" are replaced as attached.

In the Special Provisions, Section 10-1.27, "END OF QUEUE WARNING," is replaced with "END OF QUEUE WARNING/SERVICE," as attached.

In the Special Provisions, Section 10-1.33, "QUICKCHANGE MOVEABLE BARRIER SYSTEM," the following paragraph is added after the ninth paragraph:

"If the Engineer orders a move of the Quickchange Moveable Barrier System and the QMB Operator is not on-site, the Contractor shall respond and be on-site within 2 hours."

In the Special Provisions, Section 10-1.36, "EXISTING HIGHWAY FACILITIES," subsection "PLASTIC PIPELINER," the second paragraph is revised as follows:

"Plastic pipeliner shall have a nominal diameter, thickness, and maximum Standard Dimension Ratio of 26."

In the Special Provisions, Section 10-1.36, "EXISTING HIGHWAY FACILITIES," subsection "PLASTIC PIPELINER," the tenth paragraph is revised as follows:

"During the installation of the plastic pipeliner, the Contractor shall maintain risers and inlets and provide all necessary protection to prevent damage to the plastic pipeliner and the existing culvert."

In the Special Provisions, Section 10-1.58, "UNDERDRAIN," the following paragraph is add:

"Full compensation for connecting underdrains to culverts shall be considered as included in the contract unit price paid per linear foot for 8" Perforated Plastic Pipe Underdrain and no separate payment will be made therefor."

Addendum No. 2
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In the Proposal and Contract, the Engineer's Estimate Items 47, 73 and 87 are revised, as attached.

To Proposal and Contract book holders:

Replace the pages 5, 6 and 7 of the Engineer's Estimate in the Proposal with the attached revised pages 5, 6 and 7 of the Engineer's Estimate. The revised Engineer's Estimate is to be used in the bid.

Attached is a copy of the Supplemental Information Handout.

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the NOTICE TO CONTRACTORS section of the Notice to Contractors and Special Provisions.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the proposal.

Submit bids in the Proposal and Contract book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This office is sending this addendum by GSO overnight mail to Proposal and Contract book holders to ensure that each receives it. A copy of this addendum and the modified wage rates are available for the contractor's use on the Internet Site:

http://www.dot.ca.gov/hq/esc/oe/weekly_ads/addendum_page.html

If you are not a Proposal and Contract book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

ORIGINAL SIGNED BY

ROBERT E. TRAVIS, Chief
Office of Plans, Specifications & Estimates
Division of Engineering Services - Office Engineer

Attachments

Chart No. 1 Freeway Lane Requirements																									
County: <u>NEV/SIE</u>							Route: 80							PM: 28.0/31.8 & 0.0/1.6											
Closure Limits: EASTBOUND																									
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1
Tuesdays through Thursdays	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1
Fridays	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1
Saturdays	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
Sundays	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Legend:																									
1 Provide at least one through freeway lane open in direction of travel																									
2 Provide at least two through freeway lanes open in direction of travel																									
<ul style="list-style-type: none"> REMARKS: See Lane Closure Restriction for Designated Legal Holidays and Special Days table in Maintain Traffic of these special provisions for additional closure restrictions. This chart is from MEMORIAL DAY to LABOR DAY This chart is for PEAK SEASON CONSTRUCTION Total of 3 lanes available to traffic on Interstate 80 (both directions) 																									

Chart No. 2 Freeway Lane Requirements																									
County: <u>NEV/SIE</u>							Route: 80							PM: 28.0/31.8 & 0.0/1.6											
Closure Limits: WESTBOUND																									
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
Tuesdays thru Thursdays	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Fridays	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Saturdays	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sundays	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Legend:																									
1 Provide at least one through freeway lane open in direction of travel																									
2 Provide at least two through freeway lanes open in direction of travel																									
<ul style="list-style-type: none"> REMARKS: See Lane Closure Restriction for Designated Legal Holidays and Special Days table in Maintain Traffic of these special provisions for additional closure restrictions. This chart is from MEMORIAL DAY to LABOR DAY This chart is for PEAK SEASON CONSTRUCTION Total of 3 lanes available to traffic on Interstate 80 (both directions) 																									

Chart No. 3 Freeway Lane Requirements																									
County: <u>NEV/SIE</u>							Route: 80							PM: 28.0/31.8 & 0.0/1.6											
Closure Limits: EASTBOUND																									
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Tuesdays thru Thursdays	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1
Fridays	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1
Saturdays	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
Sundays	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Legend:																									
1 Provide at least one through freeway lane open in direction of travel																									
2 Provide at least two through freeway lanes open in direction of travel																									
<ul style="list-style-type: none"> REMARKS: See Lane Closure Restriction for Designated Legal Holidays and Special Days table in Maintain Traffic of these special provisions for additional closure restrictions. This chart is from LABOR DAY to MEMORIAL DAY This chart is for OFF-PEAK SEASON CONSTRUCTION Total of 3 lanes available to traffic on Interstate 80 (both directions) 																									

Chart No. 4 Freeway Lane Requirements																									
County: <u>NEV/SIE</u>							Route: 80							PM: 28.0/31.8 & 0.0/1.6											
Closure Limits: WESTBOUND																									
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
Mondays thru Thursdays	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Fridays	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Saturdays	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sundays	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Legend:																									
1 Provide at least one through freeway lane open in direction of travel																									
2 Provide at least two through freeway lanes open in direction of travel																									
<ul style="list-style-type: none"> REMARKS: See Lane Closure Restriction for Designated Legal Holidays and Special Days table in Maintain Traffic of these special provisions for additional closure restrictions. This chart is from LABOR DAY to MEMORIAL DAY This chart is for OFF-PEAK SEASON CONSTRUCTION Total of 3 lanes available to traffic on Interstate 80 (both directions) 																									

Chart No. 5 Complete Ramp Closure Hours/Ramp Lane Requirements																								
County: NEV/SIE								Route: 80								PM: 28.0/31.8 & 0.0/1.6								
Closure Limits: Farad IC Eastbound on-ramp and off-ramp PM 29.573																								
FROM HOUR TO HOUR 24 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24																								
Mondays through Thursdays		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Fridays		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Saturdays		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Sundays		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Legend:																								
C		Ramp may be closed completely																						
REMARKS:																								
<ul style="list-style-type: none"> • See Lane Closure Restriction for Designated Legal Holidays and Special Days table in Maintain Traffic of these special provisions for additional closure restrictions. • Ramps are closed to the public traffic except emergency vehicles i.e. Fire Truck, Ambulance, and Law Enforcement. • Ramp only closed for up to 12 hours at a time. • Special 30 day closure allowed as specified in the Order of Work • Westbound on-ramp and off-ramp shall be open during this closure 																								

Chart No. 6 Complete Ramp Closure Hours/Ramp Lane Requirements																								
County: NEV/SIE								Route: 80								PM: 28.0/31.8 & 0.0/1.6								
Closure Limits: Farad IC Westbound on-ramp and off-ramp PM 29.573																								
FROM HOUR TO HOUR 24 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24																								
Mondays through Thursdays		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Fridays		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Saturdays		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Sundays		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Legend:																								
C		Ramp may be closed completely																						
REMARKS:																								
<ul style="list-style-type: none"> • See Lane Closure Restriction for Designated Legal Holidays and Special Days table in Maintain Traffic of these special provisions for additional closure restrictions. • Ramps are closed to the public traffic except emergency vehicles i.e. Fire Truck, Ambulance, and Law Enforcement. • Ramp only closed for up to 12 hours at a time. • Special 30 day closure allowed as specified in the Order of Work • Eastbound on-ramp and off-ramp shall be open during this closure. 																								

Chart No. 7 Freeway Lane Requirements																									
County: <u>NEV/SIE</u>							Route: 80							PM: 28.0/31.8 & 0.0/1.6											
Closure Limits: WESTBOUND/EASTBOUND																									
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays	P	P	P	P	P	P	P														P	P	P	P	P
Tuesdays through Thursdays	P	P	P	P	P	P	P														P	P	P	P	P
Fridays	P	P	P	P	P	P	P																		
Saturdays																									
Sundays																							P	P	P
Legend:																									
P	PCC Paving operations are allowed																								
	PCC Paving operations are not allowed																								
<ul style="list-style-type: none"> REMARKS: See Lane Closure Restriction for Designated Legal Holidays and Special Days table in Maintain Traffic of these special provisions for additional closure restrictions. This chart is for PCC paving operations This chart is for both PEAK and OFF PEAK CONSTRUCTION 																									

Chart No. 8 Freeway Lane Requirements																									
County: <u>NEV/SIE</u>							Route: 80							PM: 28.0/31.8 & 0.0/1.6											
Closure Limits: EASTBOUND																									
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays Thru Thursdays	1	1	1	1	1	1	1	1	1	1	1	1									1	1	1	1	1
Fridays	1	1	1	1	1	1	1	1	1	1	1	1												1	1
Saturdays	1	1	1	1	1	1	1	1																	
Sundays																						1	1	1	1
Legend:																									
1	Provide at least one through freeway lane open in direction of travel																								
	No closure allowed																								
<ul style="list-style-type: none"> REMARKS: See Lane Closure Restriction for Designated Legal Holidays and Special Days table in Maintain Traffic of these special provisions for additional closure restrictions. Two (2) lanes available in EB direction This chart is for all work in the median as shown in sheet SC-1 prior to construction of cross-over. 																									

**Chart No. 9
Freeway Lane Requirements**

County: <u>NEV/SIE</u>	Route: 80	PM: 28.0/31.8 & 0.0/1.6
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Closure Limits: WESTBOUND

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays	1	1	1	1	1	1	1	1													1	1	1	1	1
Tuesdays Thru Fridays	1	1	1	1	1	1	1	1	1	1	1	1									1	1	1	1	1
Saturdays	1	1	1	1	1	1	1	1	1	1	1														
Sundays																								1	1

Legend:

- | | |
|---|---|
| 1 | Provide at least one through freeway lane open in direction of travel |
| | No closure allowed |

- REMARKS: See Lane Closure Restriction for Designated Legal Holidays and Special Days table in Maintain Traffic of these special provisions for additional closure restrictions.
- Two (2) lanes available in the WB direction
- This chart is for all work in the median as shown in Sheet SC-1 prior to construction of cross-over.

10-1.27 END OF QUEUE WARNING/SERVICE PATROL

This work includes monitoring traffic, warning approaching traffic when traffic ahead is moving less than 35 mph, and performing service patrol using changeable message sign trucks (CMST)s.

Comply with Section 12, "Construction Area Traffic Control Devices," of the Standard Specifications.

END OF QUEUE WARNING

MATERIALS

Each CMST must:

1. Be in good working order.
2. Have axle rating of at least 2,000 pounds.
3. Have amber rotating beacon.
4. Have front bumper push bar with rubber face.
5. Have external speaker and address system.
6. Have 54" x 42" SC15 (CA) (CAUTION) sign attached to tailgate.

Changeable message sign (CMS) must display alternating messages, "SLOW TRAFFIC AHEAD" and "PREPARE TO STOP," at 3-second intervals with minimum 12-inch tall characters.

CONSTRUCTION

Mount CMS on supporting structure affixed to the truck under the manufacturer's recommendations.

Provide 2 CMSTs at the job site and assign at least one trained operator for each CMST when performing work.

Systematically drive CMSTs through the project limits when performing work, looking for traffic that is moving less than 35 mph. Position a CMST:

1. In advance of Flashing Arrow Sign for each lane closed during a lane closure activity
2. Between 750 feet to 1500 feet in advance of traffic moving less than 35 mph.
3. To be visible at least 1500 feet to approaching traffic.

CMSTs shall be onsite whenever construction operations are ongoing. CMST shall be operational when directed by the Engineer. At a minimum, the CMSTs shall be in operation:

1. On Friday, Saturday and Sunday from 1000 hours to 2200 hours, when the lane configuration is reduced to 3 lanes or less in both directions
2. Whenever the lane configuration is reduced to one lane in each direction.
3. When directed by the Engineer.

Reposition CMSTs as necessary to maintain above distances until traffic condition abates and traffic flow is greater than 35 mph. Coordinate activity with other CMSTs. Advise other CMSTs and the Engineer of changing traffic conditions. CMST(s) not required for end of queue warning shall provide service patrol requirements.

Safely stop CMST outside of traveled way, as far from traffic as practicable, and where an errant vehicle is least likely to hit.

When traffic conditions persist and work has ceased or you are repositioned outside the project limits, notify the Engineer and continue to maintain traffic.

SERVICE PATROL

MATERIALS

Each CMST must have:

1. Cellular telephone
2. First aid kit
3. Fire extinguisher (aggregate rating of at least 4-B, C units)
4. 5 gallons of potable water
5. 2-foot wide push broom
6. Square point shovel
7. 50 highway flares (15 minute rating)
8. At least ten 28-inch tall orange traffic cones with retroreflective sleeves
9. Flashlight and spare batteries
10. Booster cables
11. Mechanic's tool kit
12. 5-gallon can with lid filled with absorbent material

CONSTRUCTION

Secure equipment on the CMST to prevent loosening upon impact.

Service patrol duties consist of:

1. Keeping the traveled-way clear of obstructions, including construction debris, tires, and automobile parts.
2. Assisting disabled vehicles.
3. Immediately replacing displaced, overturned, or damaged traffic control devices, including signs, tubular markers, drums, and cones. Use appropriate measures, including flashing arrow or caution display, rotating beacon, flares and cones, to protect the traveling public until the traffic control devices are back in place and operational.

Notify the Engineer and the Transportation Management Center when an incident occurs. Incidents include a crash or hazardous material spill. Use appropriate measures, including flashing arrow or caution display, rotating beacon, flares and cones, to protect the traveling public until relieved by the Traffic Management Team or maintenance crew regardless whether work has ceased or you are operating outside of the project limits.

The contract lump sum price paid for end of queue warning/service patrol shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in end of queue warning/service patrol, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

ENGINEER'S ESTIMATE
03-3A2204

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	150860	REMOVE BASE AND SURFACING	CY	96,700		
42 (S)	151625	RECONSTRUCT METAL BEAM GUARD RAILING (WOOD POST)	LF	40		
43	152320	RESET ROADSIDE SIGN	EA	10		
44	152430	ADJUST INLET	EA	13		
45	152664	PLASTIC PIPE LINER (21.50" O.D.)	LF	1,100		
46	014198	PLASTIC PIPE LINER (31.50" O.D.)	LF	180		
47	014199	PLASTIC PIPE LINER (42.00" O.D.)	LF	130		
48	014100	24" PIPE LINING (CEMENT MORTAR)	LF	120		
49	014101	36" PIPE LINING (CEMENT MORTAR)	LF	150		
50 (S)	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	37,200		
51	153221	REMOVE CONCRETE BARRIER	LF	29,700		
52	153223	REMOVE UNSOUND CONCRETE	CF	290		
53	014102	PREPARE CONCRETE SURFACE	SQFT	1,000		
54	153246	REMOVE CONCRETE (MISCELLANEOUS)	CY	8		
55	160101	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
56	190101	ROADWAY EXCAVATION	CY	10,500		
57	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
58	198001	IMPORTED BORROW	CY	5,350		
59 (S)	203017	EROSION CONTROL (HYDRAULIC MATRIX)	SQYD	190,000		
60	014103	FIBER ROLLS WITH ROCK	LF	5,800		

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61 (S)	203026	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	9		
62	014104	CLASS 2F AGGREGATE BASE	CY	30,100		
63	390095	REPLACE ASPHALT CONCRETE SURFACING	CY	140		
64	390132	HOT MIX ASPHALT (TYPE A)	TON	17,700		
65	394074	PLACE HOT MIX ASPHALT DIKE (TYPE C)	LF	40		
66	394076	PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF	1,130		
67	394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	17,800		
68	394090	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)	SQYD	95		
69	397005	TACK COAT	TON	510		
70	401000	CONCRETE PAVEMENT	CY	74,200		
71	404092	SEAL PAVEMENT JOINT	LF	272,000		
72	404094	SEAL LONGITUDINAL ISOLATION JOINT	LF	1,770		
73 (F)	510314	CLASS 4 CONCRETE (BACKFILL)	CY	33.5		
74 (F)	510409	CLASS 1 CONCRETE (MINOR STRUCTURE)	CY	505		
75 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	233		
76	510510	MINOR CONCRETE (INVERT PAVING)	CY	7		
77 (F)	510535	MINOR CONCRETE (HEADWALL)	CY	3.6		
78	650018	24" REINFORCED CONCRETE PIPE	LF	990		
79	665017	18" CORRUGATED STEEL PIPE (.079" THICK)	LF	80		
80	665023	24" CORRUGATED STEEL PIPE (.079" THICK)	LF	530		

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81	665036	36" CORRUGATED STEEL PIPE (.079" THICK)	LF	110		
82	642110	12" SLOTTED PLASTIC PIPE	LF	1,700		
83	680905	8" PERFORATED PLASTIC PIPE UNDERDRAIN	LF	9,560		
84	682001	PERMEABLE MATERIAL	CY	160		
85	690104	8" CORRUGATED STEEL PIPE DOWNDRAIN	LF	1,400		
86	690124	24" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	LF	190		
87	014105	18" HIGH DENSITY POLYETHYLENE PIPE (TYPE S) RISER	LF	1		
88	707225	48" PRECAST CONCRETE PIPE MANHOLE	EA	2		
89	707410	24" PRECAST CONCRETE PIPE RISER	LF	180		
90	720104	ROCK SLOPE PROTECTION (1 TON, METHOD A)	CY	180		
91	721007	ROCK SLOPE PROTECTION (1/4 TON, METHOD B)	CY	32		
92	721008	ROCK SLOPE PROTECTION (LIGHT, METHOD B)	CY	110		
93	721009	ROCK SLOPE PROTECTION (FACING, METHOD B)	CY	30		
94	721012	ROCK SLOPE PROTECTION (BACKING NO. 3, METHOD B)	CY	22		
95	727905	MINOR CONCRETE (CHANNEL LINING)	CY	5.2		
96	727906	MINOR CONCRETE (GUTTER LINING)	CY	1,100		
97	729010	ROCK SLOPE PROTECTION FABRIC	SQYD	1,350		
98 (S-F)	750001	MISCELLANEOUS IRON AND STEEL	LB	68,039		
99	820108	DELINEATOR (CLASS 2)	EA	250		
100	820110	MILEPOST MARKER	EA	19		