

ADDENDUM No. 2

ITB No. 4617

BARTON DRIVE WATER MAIN REPLACEMENT AND RESURFACING PROJECT

Bids Due: APRIL 7, 2020 at 10:00AM (Local Time)

The information contained herein shall take precedence over the original documents and all previous addenda (if any) and is appended thereto. **This Addendum includes eleven (11) pages.**

Bidder is to acknowledge receipt of this Addendum No. 2, including all attachments (if any) in its Bid by so indicating on page ITB-1 of the Invitation to Bid Form. Bids submitted without acknowledgment of receipt of this addendum may be considered nonconforming.

The following forms provided within the ITB document must be included in submitted bids:

- City of Ann Arbor Prevailing Wage Declaration of Compliance
- City of Ann Arbor Living Wage Ordinance Declaration of Compliance
- Vendor Conflict of Interest Disclosure Form
- City of Ann Arbor Non-Discrimination Ordinance Declaration of Compliance

Bids that fail to provide these forms listed above upon bid opening may be rejected as non-responsive and may not be considered for award.

I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the Bid document which are outlined below are referenced to a page or Section in which they appear conspicuously. The Bidder is to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

Section/Page(s)

Change

BF-1 thru BF-4

As provided in ITB No. 4617 Bid Document:
Bid Form, Section 1 – Schedule of Prices as Page BF-1

As updated herein:
Bid Form, Section 1 – Schedule of Prices as Pages BF-1 thru BF-4.

Comment: The intent with this change is to simply adjust quantities for “Cold Milling HMA Surface”, “HMA Surface Remove”, and “Machine Grading, Modified” provided in the ITB Document with the accurate Page BF-1 thru BF-4 provided herein.

DS-1

As provided in ITB No. 4617 Bid Document:
Project Schedule as Pages DS-1 thru DS-4

As updated herein:
Project Schedule as Pages DS-1 thru DS-4

Comment: The intent with this change is to add further clarification to phases in regards to milling and paving activities provided in the ITB Document with the accurate Page DS-1 thru DS-4 provided herein.

II. QUESTIONS AND ANSWERS

The following Answers to Questions in Addendum 1 have been revised.

Question 3: With local traffic only / road closed in the work area on Barton Drive why is the site split into multiple phases and different from a typical road closed/local traffic only which would allow construction within the entire zone? Can you please confirm if the intent of the phasing is to perform construction in part width and provide a full lane of pavement open at any given time during the construction? Is asphalt to be paved through the top course in each phase?

Answer 3: The intent of different phasing is to maintain a lane of EB local traffic and associated signage. The Progress Clause has been updated to make it clear that the entire width of the road can be milled in Milestone 1: Phase IV, after all utility work, concrete, and shoulder base is installed, and the entire width of the road, plus new paved shoulder, can be paved in Milestone 1: Phase IV. Traffic control during cold-milling and paving will be done under flag control during working hours and the one lane open to local traffic be resumed each evening. Time between milling and paving shall be limited to 72 hours.

Comment: The intent with this change is to add further clarification to phases in regards to milling and paving activities provided in the Addendum 1 Answer. Milling will take place in Phase IV, after utility, concrete, and shoulder work, now and there will be a 72 hour limit between milling and paving activities.

Question 5: The proposed road profile varies from the existing profile. Will all areas required to be milled to a depth of 4" as shown on the cross sections or follow the new designed profile?

Answer 5: In most areas, a standard depth of 4 inches will be milled. In areas near Longshore and Chandler, where we will need to raise the road to accommodate a new crosswalk or we are reconfiguring the intersection, respectively, there will be staged transitions to the depth of milling. If this will not work, we will mill 4 inches and add a base course of HMA when we pave. Quantities of extra "Subgrade Undercutting – Type II" and "Aggregate Base Course, 21AA – C.I.P" are still in the revised bid forms to account for any paving raveling.

Comment: The intent with this change is to add further clarification to providing the proposed profile of Barton Drive near Longshore Drive and Brede Place.

Question 6: Has alternate phasing/sequencing of construction been considered for the Barton Drive portion of the work?

- Complete the utility and concrete work under proposed road closed/local traffic only configuration.
- Crush and Shape the entire of the road in-lieu of milling
- Pave complete North/South Lane of Barton Drive at the same time.

Answer 6: The Contractor can submit an alternate staging sequence for review and approval from the Engineer.

- This is what is planned.
- We will not crush and shaping Barton Drive.
- Paving can be full width in Phase IV, see revised Progress Schedule.

Comment: The intent with this change is to remove the allowance of milling the entire road before all utility, concrete, and shoulder work is complete. Although, the shoulder can be graded to base grade and paved with mainline paving.

Question 18: Can you please provide the prevailing wage rates for this project?

Answer 18: The prevailing wages that were pulled 10 days before the bid opening are attached. They were not attached to Addendum 1, and they are too long to attach to Addendum 2. We will use appropriate job classifications from the following:

- "General Decision Number: MI20200001 02/07/2020; Superseded General Decision Number: MI20190001; State: Michigan; Construction Types: Highway (Highway, Airport & Bridge and Sewer/Incid. to Hwy.); Counties: Michigan Statewide.
- "General Decision Number: MI20200074 01/03/2020; Superseded General Decision Number: MI20190074; State: Michigan; Construction Type: Heavy; County: Washtenaw County in Michigan. Heavy, Includes Water, Sewer Lines and Excavation (Excludes Hazardous Waste Removal; Coal, Oil, Gas, Duct and other similar Pipeline Construction)

Comment: The intent with this change is to provide the wage decision date and titles that were pulled from Davis Bacon ten days prior to the original bid opening date.

Question 22: Plan sheets 27-28 notes that the contractor shall coordinate with DTE to have the poles relocated to avoid conflict with the proposed roadway. In past projects there can be considerable amount of time (greater than 14 days) to coordinate and have the work completed especially if there are joint facilities on the poles. Would the city consider starting this process before construction so this does not affect the schedule? Are all fees associated with work paid by the city? Are they current conversations with DTE to start the process to have the poles relocated?

Answer 22: DTE is currently designing the pole relocations and hopes to relocate them prior to the start of our project. The Contractor will NOT incur any costs.

Comment: The intent with this change is to add NOT, which was an important omission of a word in Addendum 1.

Bidders are responsible for any conclusions that they may draw from the information contained in the Addendum.

BID FORM

Company

Project: Barton Drive Water Main Replacement and Resurfacing Project

File # 2019-005 Bid # 4617

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
130	Protective Fencing	FT	1000	\$ _____	\$ _____
140	Exploratory Excavation (0-10' deep)	EA	4	\$ _____	\$ _____
201	Project Supervision, Max \$15,000.00	LS	1	\$ _____	\$ _____
202	General Conditions, Max. \$30,000.00	LS	1	\$ _____	\$ _____
203	Digital Audio Visual Coverage	LS	1	\$ _____	\$ _____
204	Minor Traffic Devices, Max \$20,000.00	LS	1	\$ _____	\$ _____
205	Clean-Up & Restoration, Special, Max \$10,000	LS	1	\$ _____	\$ _____
206	"No Parking" Signs	EA	40	\$ _____	\$ _____
207	Stump Removal, 8" or Larger, Modified	EA	5	\$ _____	\$ _____
208	Tree Trimming	EA	1	\$ _____	\$ _____
210	Remove Concrete Curb or Curb and Gutter - Any Type	FT	2750	\$ _____	\$ _____
211	Remove Concrete Sidewalk and Drive - Any Thickness	SFT	5200	\$ _____	\$ _____
212	Cold Milling HMA Surface	SYD	2300	\$ _____	\$ _____
213	HMA Surface Remove	SFT	4500	\$ _____	\$ _____
214	Sidewalk Grading	STA	24	\$ _____	\$ _____
215	Sidewalk Ramp Grading	EA	19	\$ _____	\$ _____
216	Sewer, Any Size or Depth, Remove	FT	380	\$ _____	\$ _____
217	Drainage Structure, Any Size or Depth, Remove	EA	22	\$ _____	\$ _____
218	Additional Depth Structure Adjust/Repair	FT	2	\$ _____	\$ _____
219	Guardrail, Rem	FT	530	\$ _____	\$ _____
220	Remove Sanitary Sewer Lead	FT	20	\$ _____	\$ _____
221	Water Main Pipe Abandonment, Modified	LS	1	\$ _____	\$ _____
222	Fire Hydrant Assembly Abandonment	EA	1	\$ _____	\$ _____
223	Temporary Water Main Line Stop, Additional Rental Day	EA	4	\$ _____	\$ _____
224	Temporary Water Main Line Stop, Less than 8 inch	EA	2	\$ _____	\$ _____
225	Temporary 8 inch or 12 inch Water Main Line Stop	EA	2	\$ _____	\$ _____

TOTAL THIS PAGE (BF-1) \$ _____
 (Also to be entered on Page BF-4)

230	Machine Grading, Modified	SYD	11000	\$ _____	\$ _____
231	Subgrade Undercutting - Type II	CYD	750	\$ _____	\$ _____
232	Sand Subbase Course, Class II - C.I.P.	CYD	1400	\$ _____	\$ _____
233	21AA Limestone, C.I.P.	CYD	100	\$ _____	\$ _____
234	Aggregate Base Course, 21AA - C.I.P.	TON	2600	\$ _____	\$ _____
237	HMA Pavement Leveling/Top – LVSP	TON	2600	\$ _____	\$ _____
238	HMA Approach	TON	30	\$ _____	\$ _____
239	Handpatching	TON	45	\$ _____	\$ _____
240	Concrete Curb or Curb and Gutter - All Types	FT	1850	\$ _____	\$ _____
241	Concrete Curb or Curb and Gutter - All Types (High Early)	FT	400	\$ _____	\$ _____
242	4 Inch Concrete Sidewalk	SFT	7700	\$ _____	\$ _____
243	6 Inch Concrete Sidewalk or Sidewalk Ramp	SFT	1600	\$ _____	\$ _____
244	6 Inch Concrete Drive - High Early	SFT	3100	\$ _____	\$ _____
245	Detectable Warning, Cast In Place	SFT	200	\$ _____	\$ _____
246	Integral Sidewalk Retaining Wall, under 6 inch	SFT	20	\$ _____	\$ _____
247	Integral Sidewalk Retaining Wall, 6 inch to 18 inch	SFT	70	\$ _____	\$ _____
248	Integral Sidewalk Retaining Wall, 19 inch to 36 inch	SFT	20	\$ _____	\$ _____
250	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	FT	710	\$ _____	\$ _____
251	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	FT	50	\$ _____	\$ _____
252	Pavt Mrkg, Ovly Cold Plastic, Direction Arrow Sym, Bike	EA	3	\$ _____	\$ _____
253	Pavt Mrkg, Ovly Cold Plastic, Bike, Small Sym	EA	3	\$ _____	\$ _____
254	Pavt Mrkg, Ovly Cold Plastic, Sharrow Symbol	EA	4	\$ _____	\$ _____
255	Pavt Mrkg, Polyurea, 4 inch, White	FT	1500	\$ _____	\$ _____
256	Pavt Mrkg, Polyurea, 4 inch, Yellow	FT	6050	\$ _____	\$ _____
257	Pavt Mrkg, Polyurea, 6 inch, White	FT	2400	\$ _____	\$ _____
258	Recessing Pavt Mrkg, Longit	FT	9950	\$ _____	\$ _____
260	Pavt Mrg Cover, Type R, Black	FT	1725	\$ _____	\$ _____
261	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	FT	500	\$ _____	\$ _____
262	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	FT	1100	\$ _____	\$ _____
263	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch Crosswalk	FT	50	\$ _____	\$ _____
264	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch Stop Bar	FT	11	\$ _____	\$ _____
265	Temporary Curb for Bump-out	FT	50	\$ _____	\$ _____

TOTAL THIS PAGE (BF-2) \$ _____
(Also to be entered on page BF-4)

266	Sign, Portable Changeable Message, Furnish and Operate	EA	4	\$ _____	\$ _____
267	Plastic Drum - Lighted, Furnish and Operate	EA	270	\$ _____	\$ _____
268	Barricade Type III - Lighted, Furnish and Operate	EA	35	\$ _____	\$ _____
269	Temporary Sign, Type B, Furnish and Operate	SFT	1000	\$ _____	\$ _____
270	Temporary Sign, Type B, Furnish and Operate, Special	SFT	132	\$ _____	\$ _____
271	Channelizing Device, 42 Inch, Furnish and Operate	EA	50	\$ _____	\$ _____
272	Pedestrian Type II Barricade, Temp	EA	32	\$ _____	\$ _____
273	Sign Cover	EA	10	\$ _____	\$ _____
274	Temporary Pedestrian Ramp	EA	2	\$ _____	\$ _____
275	Temporary Pedestrian Mat	EA	50	\$ _____	\$ _____
276	Audible Message Device	EA	4	\$ _____	\$ _____
280	Fertilizer, Chemical Nutrient, CI A	LBS	90	\$ _____	\$ _____
281	Mulch Blanket, High Velocity	SYD	2150	\$ _____	\$ _____
282	Seeding, Mixture THM	LBS	100	\$ _____	\$ _____
283	Topsoil Surface, Furn, 4 inch	SYD	2150	\$ _____	\$ _____
284	Fire Hydrant Assembly	EA	1	\$ _____	\$ _____
285	Underground Sprinkling Systems, Restore	DLR	3000	\$ _____	\$ _____
290	Certified Payroll Compliance and Reporting	LS	1	\$ _____	\$ _____
295	6-Inch Wrapped Underdrain	FT	2150	\$ _____	\$ _____
320	12" CL IV RCP Storm Sewer Pipe, Trench Detail I	FT	440	\$ _____	\$ _____
353	4 inch SDR 35 PVC Sanitary Lead, Trench Detail I	FT	10	\$ _____	\$ _____
354	6 inch SDR 35 PVC Sanitary Lead, Trench Detail I	FT	10	\$ _____	\$ _____
360	Type I Manhole, 60 inch Dia)-10' deep)	EA	1	\$ _____	\$ _____
366	Inlet-Junction Chamber	EA	3	\$ _____	\$ _____
367	Single Inlet	EA	20	\$ _____	\$ _____
400	6 inch Class 50 DIP w/polywrap, Trench Detail I	FT	21	\$ _____	\$ _____
401	8 inch Class 50 DIP w/polywrap, Trench Detail I	FT	1030	\$ _____	\$ _____
410	8" 11.25° Bend	EA	8	\$ _____	\$ _____
411	8" 22.5° Bend	EA	2	\$ _____	\$ _____
412	8" 45° Bend	EA	4	\$ _____	\$ _____
413	8" 90° Bend	EA	1	\$ _____	\$ _____
414	8" x 6" Reducer	EA	4	\$ _____	\$ _____

TOTAL THIS PAGE (BF-3) \$ _____
(Also to be entered on BF-4)

430	8" x 8" x 8" Tee	EA	4	\$ _____	\$ _____
431	8" x 8" x 8" x 8" Cross	EA	1	\$ _____	\$ _____
442	8" Gate Valve-in-Box	EA	1	\$ _____	\$ _____
446	6" Gate Valve-in Well	EA	1	\$ _____	\$ _____
447	8" Gate Valve-in Well	EA	3	\$ _____	\$ _____
460	Excavate & Backfill for Water Service Tap and Lead	FT	235	\$ _____	\$ _____
563	Structure Covers	LBS	2400	\$ _____	\$ _____
566	Adjust Structure Cover	EA	21	\$ _____	\$ _____
567	Adjust Monument Box or Gate Valve Box	EA	8	\$ _____	\$ _____
800	Celtic occidentalis, (Hackberry), 2 inch	EA	1	\$ _____	\$ _____
801	Syringa Volgaris (Lilac Bush)	EA	2	\$ _____	\$ _____
802	Acer rubrum, (Red Maple), 2 inch	EA	1	\$ _____	\$ _____
TOTAL THIS PAGE (BF-4)				\$ _____	
TOTAL FROM PAGE BF-1				\$ _____	
TOTAL FROM PAGE BF-2				\$ _____	
TOTAL FROM PAGE BF-3				\$ _____	
TOTAL BASE BID				\$ _____	

DETAILED SPECIFICATION FOR PROJECT SCHEDULE

Examination of Plans, Specifications, and Work Site: Bidders shall carefully examine the Bid Form, plans, specifications and the work site until the Bidder is satisfied as to all local conditions affecting the contract and the detailed requirements of construction. The submission of the bid shall be considered prima facie evidence that the Bidder has made such examination and is satisfied as to the conditions to be encountered in performing the work and all requirements of the contract.

The entire work under this Contract shall be completed in accordance with, and subject to, the scheduling requirements as outlined below, and all other requirements of the Contract Documents.

1. By no later than **May 8, 2020** the Contractor shall submit a detailed schedule of work for the Engineer's review and approval. The proposed schedule must fully comply with the scheduling requirements contained in this Detailed Specification. The Contractor shall update the approved work schedule each week and present it to the Engineer at the weekly progress meeting.
2. The Contractor will receive two (2) copies of the Contract, for his/her execution, on or before **April 9, 2020**. The Contractor shall properly execute both copies of the Contract and return them, with the required Bonds and Insurance Certificate, to the City by **April 15, 2020**.
3. Contractor may begin construction on or before **June 12, 2020**, and only after receiving the copy of executed contract documents and the Notice to Proceed from the City. Appropriate time extensions shall be granted if the Notice to Proceed is delayed due to the circumstances controlled by the City.
4. By **October 31, 2020**, or within **one-hundred forty-two (142)** calendar days from the date of Notice to Proceed, the Contractor must install the new water main; all of the required service leads to the water main and complete all the remaining work under this Contract for **Barton Drive Water Main Replacement and Resurfacing Project** including, but not limited to installation of the storm water structures, the installation of new sidewalk and sidewalk ramps, the restoration of all disturbed areas, permanent placement of hot mix asphalt and/or concrete, and the removal of any and all traffic control devices. Failure to complete all work as specified herein within the times specified herein, including time extensions granted thereto as determined by the Engineer, shall entitle the City to deduct from the payments due the Contractor, **\$400.00** in "Liquidated Damages", and not as a penalty, for each and every calendar day beyond the allowed number of calendar days to complete the above specified work. In addition, failure to complete all work described in any Milestone or Phase of construction will also entitle the City to deduct from the payments due the Contractor, **\$400.00** in "Liquidated Damages", and not as a penalty, for each and every calendar day beyond the specified date for the specified work.
5. **Work day, hour, and other work restrictions imposed by the City of Ann Arbor.**
The work hours described may be modified or changed by the Engineer due to Holidays, Special Events, or Traffic Volumes.

Contractors operations shall be limited by local municipality work time, noise, and dust ordinance unless approved by the local municipality and the Engineer in writing, as shown below:

- Monday – Friday: 7am-8pm
- Saturday: 7am-8pm; Notice given to City of Ann Arbor no less than 48 hours

and no more than 5 days.

- Sunday: only with approval from the City of Ann Arbor
- No work may be done on Holidays

No work, unless approved by the Engineer, shall be performed during:

- Fourth of July
 - 3: 00 pm Friday July 3, 2020 - 7:00 am Monday July 6, 2020
- Labor Day
 - 7:00 am Saturday September 5, 2020 – 7:00 am Tuesday, September 8, 2020

MILESTONES

1. MILESTONE 1: CONSTRUCTION PART ONE

The work of this Milestone is separated into four phases. The construction sequence for this project shall be as follows:

Phase I shall consist of the installation of the Detour and Local Traffic Control outlined for Phase I, water main installation in the south side of Barton Drive from Longshore Drive to Pontiac Trail, water service leads transferred (road plates and traffic regulators will be necessary for water service leads to north side properties), storm structures and sewer installed, and any necessary grading and concrete work for new sidewalks, sidewalk ramps, and existing driveways on the south side of Barton Drive between Longshore Drive and Pontiac Trail.

By **July 25, 2020** the Contractor must complete all work on Phase I of Barton Drive Water Main Replacement and Resurfacing Project including, but not limited to: install, swab, chlorinate, pressure test, and flush the new water main pipe on Barton Drive. Successfully complete of all required bacteriological testing and place the new water main into service.

Phase IA shall consist of the installation of the Local Traffic Control outlined for Phase IA, water main installation and tie-in to Pontiac Trail water main in Pontiac Trail, storm structures and sewer installed, and any necessary grading and concrete work for new sidewalks and sidewalk ramps on the south side of Barton Drive at Pontiac Trail.

By **August 5, 2020** the Contractor must complete all work on Phase IA of Barton Drive Water Main Replacement and Resurfacing Project including, but not limited to: install, swab, chlorinate, pressure test, and flush the new water main pipe on Pontiac Trail. Successfully complete of all required bacteriological testing and place the new water main into service and abandon the existing water main.

Phase II shall consist of the installation of the Local Traffic Control outlined for Phase II, installation of storm structures and sewer, any necessary grading and concrete work for new sidewalks and sidewalk ramps on the south side of Barton Drive between eastbound M14 ramp and Longshore Drive.

By **August 15, 2020** the Contractor must complete all work on Phase II of Barton Drive Water Main Replacement and Resurfacing Project.

Phase III shall consist of the installation of the Local Traffic Control outlined for Phase III, installation of storm structures and sewer, and any necessary grading and concrete work

for replacement driveways, new curbs, sidewalks and sidewalk ramps at the intersection of Barton Drive and Starwick Drive. This work will be done under flag control during working hours and open to two way – two lane traffic outside of working hours.

By **September 5, 2020** the Contractor must complete all work on Phase III of Barton Drive Water Main Replacement and Resurfacing Project, including but not limited to, restoring all pavement, striping all necessary pavement markings, the removal of all temporary traffic control specific to Phase III, and open to traffic. As it is the intent for this work to be done before school starts for the 2020/2021 school year, Contractor's can submit a progress schedule that constructs Phase III concurrent with Phase I or Phase II utilizing more than one crew

Phase IV shall consist of the installation of the Local Traffic Control outlined for Phase IV, installation of storm structures and sewer, and any necessary grading for new shoulders and concrete work for replacement driveways, new curbs, sidewalks and sidewalk ramps on the north side of Barton Drive . At this time, cold-milling HMA pavement from EB M14 ramps to Pontiac Trail, full width, can occur along with paving the roadway, full width, and paving asphalt driveways along Barton Drive between M14 overpass and Pontiac Trail. The time allowed for local traffic and construction traffic to travel Barton Drive between milling and paving shall not exceed 72 hours. If the existing aggregate base is exposed during milling, subgrade undercutting and new aggregate base will also be install in this Phase IV. All pavement markings between eastbound M14 on ramp and Pontiac Trail need to be installed, the detour and local traffic control removed, and the road **open to traffic** within Phase IV.

By **September 26, 2020** the Contractor must complete all work on Phase IV of Barton Drive Water Main Replacement and Resurfacing Project.

2. MILESTONE 2: CONSTRUCTION PART TWO AND OPEN TO TRAFFIC

The work of this Milestone has one phase. The construction sequence for this Phase V shall be as follows:

Phase V shall consist of the installation of the Local Traffic Control outlined for Phase V, cold milling HMA surface, paving the roadway, and installing pavement markings on Barton Drive between the City Limits (westbound M14 ramp) and the eastbound M14 ramp. The time between milling and paving shall not exceed 48 hours. This work will be done under flag control during working hours and open to two way – two lane traffic outside of working hours.

By **October 10, 2020** the Contractor must complete all work on Phase V of Barton Drive Water Main Replacement and Resurfacing Project, including but not limited to, removal of Phase V traffic control devices and **open to traffic**.

3. MILESTONE 3: FINAL ACCEPTANCE AND PROJECT COMPLETION

Final Acceptance and restoration shall be completed on or before **October 31, 2020**.

The Contractor may propose to adjust the limits or sequencing of construction in order to complete the work more efficiently. Changes to the recommended construction sequence must be approved in writing by the Engineer prior to construction and must assure all required coordination with other projects and time lines.

The City will not allow any shut down of existing water mains without prior written approval of construction methods and timing of shut down, by the City of Ann Arbor and the Engineer. All water main valves are to be operated by City of Ann Arbor personnel.

Time is of the essence in the performance of the work of this contract. The Contractor is expected to mobilize sufficient personnel and equipment, and work throughout all authorized hours in order to complete the project by the final completion date. Costs for the Contractor to organize, coordinate, and schedule all of the work of the project, will not be paid for separately, but shall be included in the bid price of the Contract Item "General Conditions, Max \$30,000."

Failure to complete all work as specified herein within the times specified herein, including time extensions granted thereto as determined by the Engineer, shall entitle the City to deduct from the payments due the Contractor, **\$400.00** in Liquidated Damages, and not as a penalty, for delays in the completion of the work for each and every calendar day beyond the completion date for each sub-phase, as detailed in the phasing above.

Liquidated Damages will be assessed until the required work is completed in the current construction season. If, with the Engineer's approval, work is extended beyond seasonal limitations, the assessment of Liquidated Damages will be discontinued until the work is resumed in the following construction season.