The Contractor shall select a cleaning solution that is effective in removing efflorescence and staining without causing a negative side effect.

All vegetation and natural areas within the work zone shall be protected during the operation.

All sidewalks, lawns and playgrounds adjacent to block walls shall be left free of debris after each day's work.

All work to clean surfaces and replace blocks on walls A, B, C, D, E and F shall be performed under the protection of a single lane closure.

The Contractor shall only operate the lane closure from 9:00 a.m. to 4:00 p.m. according to plans.

The construction shall be performed in accordance with the unit bidding price.

The Contractor shall provide all the necessary labor, materials, and equipment necessary to complete the work as shown on the plans and specifications.

The Contractor shall provide all necessary traffic control devices as shown on the plans and specifications.

The Contractor shall provide all necessary construction equipment as shown on the plans and specifications.

The Contractor shall provide all necessary construction materials as shown on the plans and specifications.

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The Contractor shall provide all necessary construction materials as shown on the plans and specifications.

The CONTRACTOR SHALL ONLY OPERATE THE LANE CLOSURE FROM 9:00 A.M. TO 4:00 P.M. ACCORDING TO PLANS.
M0020a AND M240a DURING LANE CLOSURES.
REFER TO MDOT MAINTAINING TRAFFIC TYPICAL SIGN PLACEMENT PRIOR TO INSTALLATION.
CONTACT CITY FOR REVIEW AND APPROVAL OF CONTRACTOR TO FIELD STAKE ALL SIGNS AND ALL POSTS TO BE DRIVEN INTO GROUND.
METHODS.
REFER TO CITY SPECIFICATIONS FOR DETAILS ON CONTRACTOR.
INSTALLED, AND MAINTAINED BY THE ARBOR. ALL SUCH DEVICES SHALL BE FURNISHED, DEVICES AS APPROVED BY THE CITY OF ANN TRAFFIC SHALL BE IN ACCORDANCE WITH DEVICES NECESSARY FOR THE PROTECTION OF STANDARDS, BARRICADES, AND TRAFFIC CONTROL THE NECESSARY SIGNS AND SIGN SUPPORT.
MAINTAIN A MINIMUM OF 11-FOOT WIDE TRAVEL D W G C re a t e d : 0 2 - 1 0 - 1 6
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1
V D G
C E W
R
H U R O N  P A R K W A Y  M A I N T E N A N C E  O F  T R A F F IC
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0 3 /1 7 /1 6
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0 3 /1 7 /1 6
NOTES:
3.
2.
1.
PHYSICAL LIMITATIONS ARE PRESENT.
TO THE BEGINNING OF THE TAPER AS POSSIBLE WHEN THE BEGINNING OF THE MERGING TAPER OR AS CLOSE THE LIGHTED ARROW PANEL SHALL BE LOCATED AT WORK CONDUCTED IN THE BUFFER AREA. NO EQUIPMENT OR MATERIALS SHALL BE STORED OR MATERIALS, EQUIPMENT, AND CONSTRUCTION METHODS.
REFER TO CONTRACT DOCUMENTS FOR DETAILS ON
KEY

- DIRECTIONAL ARROW
- • • • 42" CHANNING DEVICES
- • TEMPORARY SIGN
- ■ TYPE III BARRICADE
- ● LIGHTED ARROW, TYPE C
- □ WORK ZONE

NOTES:
1. CONTRACTOR SHALL PROVIDE A MINIMUM OF 3-FOOT SEPARATION BETWEEN WORK ZONE AND TRAVEL LANE TO ALLOW FOR TRAFFIC DRUMS.
2. PROVIDE A MINIMUM OF 11-FOOT WIDE TRAVEL LANE.
3. THE NECESSARY SIGNS AND SIGN SUPPORT DEVICES, BARRICADES, AND TRAFFIC CONTROL DEVICES NECESSARY FOR THE PROTECTION OF WORKERS SHALL BE IN ACCORDANCE WITH THE MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. ALL SUCH DEVICES SHALL BE MAINTAINED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR.
4. REFER TO CONTRACT DOCUMENTS FOR DETAILS ON MATERIALS, EQUIPMENT, AND CONSTRUCTION METHODS.
5. CONTRACTOR TO FIELD STAKE ALL SIGNS AND CONSTRUCT OR REPLACE SIGNS AT THE END OF WORK ZONE PRIOR TO INSTALLATION OF TEMPORARY SIGN SUPPORT DEVICES.
6. NO EQUIPMENT OR MATERIALS SHALL BE STORED OR PLACED PRIOR TO INSTALLATION.
7. PHYSICAL LIMITATIONS ARE PRESENT.
8. CONTACT MICHAEL NEARING AT THE CITY AT (734) 794-6410 FOR REVIEW AND APPROVAL OF SIGN PLACEMENT PRIOR TO INSTALLATION.
KEY

- Directional Arrow
- 42" Channelizing Devices
- Temporary Sign
- Type III Barricade
- Lighted Arrow, Type C
- Work Zone

NOTES:

1. Contractor shall provide a minimum of 42" channelizing devices for work zone and travel lane to aid for traffic control.
2. Arrow is required at 11-foot wide travel lane.
3. Work zone begins at STA. 63+00.
4. Work zone ends at STA. 72+00.
5. Numbers are approximate and may vary due to construction limitations.
6. Road work ahead.
7. Work zone ahead.
8. Detour.
10. Temporary.

CONTACT MICHAEL NEARING AT THE CITY AT (734) 794-6410 FOR REVIEW AND APPROVAL OF SIGN PLACEMENT PRIOR TO INSTALLATION.
M0020a AND M240a DURING LANE CLOSURES.

REFER TO MDOT MAINTAINING TRAFFIC TYPICAL SIGN PLACEMENT PRIOR TO INSTALLATION.

CONTACT CITY FOR REVIEW AND APPROVAL OF CONTRACTOR TO FIELD STAKE ALL SIGNS AND ALL POSTS TO BE DRIVEN INTO GROUND.

REFER TO CITY SPECIFICATIONS FOR DETAILS ON INSTALLED, AND MAINTAINED BY THE ARBOR. ALL SUCH DEVICES SHALL BE FURNISHED, DEVICES AS APPROVED BY THE CITY OF ANN TRAFFIC SHALL BE IN ACCORDANCE WITH THE NECESSARY SIGNS AND SIGN SUPPORT LANES.

MAINTAIN A MINIMUM OF 11-FOOT WIDE TRAVEL LANES TO ALLOW FOR PLASTIC DRUMS.

CONTRACTOR SHALL PROVIDE A MINIMUM OF...
HURON PARKWAY

KEY

- DIRECTIONAL ARROW
- 45° CHANNELING DEVICES
- TEMPORARY SIGN
- TYPE III BARRECADE
- LIGHTED ARROW, TYPE C
- WORK ZONE

NOTE:
1. CONTRACTOR SHALL PROVIDE A MINIMUM OF 11-FOOT WIDE TRAVEL LANES TO ALLOW FOR PLASTIC DRUMS.
2. WITNESS A MINIMUM OF 3-FOOT SEPARATION BETWEEN WORK ZONE AND TRAFFIC LANE TO ALLOW FOR PLASTIC DRUMS.
3. THE NECESSARY SIGNS AND DEVICES REQUIRED TO REGULATE TRAFFIC ARE DEPENDENT ON THE SPECIFICATIONS OF MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN THE CONSTRUCTION.
4. REFER TO CONTRACT DOCUMENTS FOR DETAILS ON MATERIALS, EQUIPMENT, AND CONSTRUCTION METHODS.
5. REFER TO CONTRACT DOCUMENTS FOR DETAILS ON MATERIALS, EQUIPMENT, AND CONSTRUCTION METHODS.
6. REFER TO CONTRACT DOCUMENTS FOR DETAILS ON MATERIALS, EQUIPMENT, AND CONSTRUCTION METHODS.
7. REFER TO CONTRACT DOCUMENTS FOR DETAILS ON MATERIALS, EQUIPMENT, AND CONSTRUCTION METHODS.
NOTES:

1. CONTRACTOR SHALL PROVIDE A MINIMUM OF 15-FOOT WIDE TRAVEL LANE TO ALLOW FOR TRAFFIC TO PASS PAST THE WORK ZONE. (734) 794-6410 FOR REVIEW AND APPROVAL OF SIGN CONSTRUCTION.

2. CONTRACTOR TO FIELD STAKE ALL SIGNS AND CONSTRUCTION MATERIALS, EQUIPMENT, AND CONSTRUCTION METHODS. REFER TO CONTRACT DOCUMENTS FOR DETAILS ON MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES NECESSARY FOR THE PROTECTION OF WORK ZONE PERSONNEL AND TRAFFIC. THE NECESSARY SIGNS AND SIGN SUPPORT DEVICES ARE NOT INCLUDED IN THE BID Documentation.

3. CONTRACTOR SHALL PROVIDE A MINIMUM OF 11-FOOT WIDE TRAVEL LANES.

4. REFER TO CONTRACT DOCUMENTS FOR DETAILS ON MATERIAlS, EQUIPMENT, AND CONSTRUCTION METHODS.

5. CONTRACTOR TO FIELD STAKE ALL SIGNS AND CONSTRUCTION MATERIALS, EQUIPMENT, AND CONSTRUCTION METHODS. REFER TO CONTRACT DOCUMENTS FOR DETAILS ON MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES NECESSARY FOR THE PROTECTION OF WORK ZONE PERSONNEL AND TRAFFIC. THE NECESSARY SIGNS AND SIGN SUPPORT DEVICES ARE NOT INCLUDED IN THE BID Documentation.

6. CONTRACTOR SHALL PROVIDE A MINIMUM OF 11-FOOT WIDE TRAVEL LANES.

7. CONTRACTOR TO FIELD STAKE ALL SIGNS AND CONSTRUCTION MATERIALS, EQUIPMENT, AND CONSTRUCTION METHODS. REFER TO CONTRACT DOCUMENTS FOR DETAILS ON MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES NECESSARY FOR THE PROTECTION OF WORK ZONE PERSONNEL AND TRAFFIC. THE NECESSARY SIGNS AND SIGN SUPPORT DEVICES ARE NOT INCLUDED IN THE BID Documentation.

8. CONTRACTOR TO FIELD STAKE ALL SIGNS AND CONSTRUCTION MATERIALS, EQUIPMENT, AND CONSTRUCTION METHODS. REFER TO CONTRACT DOCUMENTS FOR DETAILS ON MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES NECESSARY FOR THE PROTECTION OF WORK ZONE PERSONNEL AND TRAFFIC. THE NECESSARY SIGNS AND SIGN SUPPORT DEVICES ARE NOT INCLUDED IN THE BID Documentation.
NOTE: THOROUGHLY CLEAN AND REMOVE ALL LOOSE MATERIALS AND DELETERIOUS MATERIALS FROM TOP OF EXISTING SEGMENTAL BLOCK WALL UNITS TO ADHESIVE. ENGINEER TO APPROVE CONDITIONS PRIOR TO PLACING ADHESIVE, ISO WALL SECTION

TYPICAL WALL TIER ELEVATION

TYPICAL UNIVERSAL CAP UNIT

SECTION THRU WALL

NOTE: THOROUGHLY CLEAN AND REMOVE ALL LOOSE MATERIALS AND DELETERIOUS MATERIALS FROM TOP OF EXISTING SEGMENTAL BLOCK WALL UNITS TO ADHESIVE. ENGINEER TO APPROVE CONDITIONS PRIOR TO PLACING ADHESIVE.
ELEVATION - AB WALL

REPLACE CAP BLOCKS ON 21 WALL TIERS

LOOKING WESTERLY

REPLACE CAP BLOCKS ON 18 WALL TIERS

REPLACE CAP BLOCKS ON 9 WALL TIERS

LOOKING WESTERLY

ELEVATION - CD WALL

REPLACE CAP BLOCKS ON 7 WALL TIERS

LOOKING EAST

THE ENGINEER AND CONTRACTOR SHALL INSPECT AND AGREE UPON AREAS OF EFFLORESCENCE REMOVAL PRIOR TO COMMENCING WORK.
REPLACE CAP BLOCKS ON 21 WALL TIERS

ELEVATION - F WALL

THE ENGINEER AND CONTRACTOR SHALL INSPECT AND AGREE UPON AREAS OF EFFLORESCENCE REMOVAL PRIOR TO COMMENCING WORK.

REPLACE CAP BLOCKS ON 2 WALL TIERS

REPLACE CAP BLOCKS ON 16 WALL TIERS

ELEVATION - E WALL

REPLACE CAP BLOCKS ON 2 WALL TIERS
NO CAP BLOCK REPLACEMENTS - THIS WALL ONLY

225' +/- REPLACE CAP BLOCKS ON ALL 16 WALL TIERS

ELEVATION - NE WALL
LOOKING EASTERLY

ELEVATION - SW WALL
LOOKING WESTERLY

THE ENGINEER AND CONTRACTOR SHALL INSPECT AND
AGREE UPON AREAS OF EFFLORESCENCE REMOVAL
PRIOR TO COMMENCING WORK.

WALL ELEVATIONS