NOTICE

Thank you for your inquiry regarding the City of Portage project listed below:

Street Paving

If your firm plans to bid on this project, please send an e-mail response to purchasing@portagemi.gov with the following information:

Firm Name:_____
Project Name:_____
Firm's Contact Person:_____
Telephone Number:_____
Fax Number:_____
E-Mail Address:_____
Postal Address:_____

The City of Portage Purchasing Department will use this information to communicate with you in the event an addendum or change to this project is issued. If you do not send this information to the City of Portage, you will not receive any follow-up notification of any changes to the project.

Date of Issue: March 8, 2011

NOTICE TO BIDDERS

The City of Portage will open sealed bids on Thursday, April 14, 2011 at 3:00 p.m. prevailing local time in the City Hall Conference Room #1 at 7900 South Westnedge Avenue for:

Street Paving

You are invited to submit a bid for this project. Sealed bids may be mailed or delivered to the City of Portage, Purchasing Department, 7900 South Westnedge Avenue, Portage, MI 49002. Envelopes should be plainly marked:

SEALED BID: Street Paving

FOR OPENING: April 14, 2011 at 3:00 p.m. in Conference Room #1

MDOT PREQUALIFIED: _____Yes _____No

General specifications, description and conditions upon which the bid proposal is to be based are available at the City of Portage website:http://www.portagemi.gov/Departments/Purchasing/BidOpportunities.aspx. Bid packages will also be mailed upon request.

Contractors bidding on this project will be required to be prequalified as an MDOT contractor. In addition, any sub-contractors performing work on this paving project will also need to be MDOT prequalified.

The City reserves the right to reject any or all bids, to waive any irregularities, and further reserves the right to accept any bid or parts of bids which it deems to best serve the interest of the City. In addition, contracts will be awarded pending City Council budget approval.

There will be a pre-bid meeting at 3:00 p.m. on Thursday, March 31, 2011 in the DPS Conference Room, 7719 South Westnedge Avenue, Portage, Michigan 49002.

If you have any questions, please phone the Purchasing Department at (269) 324-9284. If you have questions regarding the specifications, please call Ray Waurio at (269) 329-4430.

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1. INSTRUCTIONS TO BIDDERS

1.1. FORM -- Each Bid shall be made on a form prepared therefore by the Purchasing Agent and included as 1 of the Contract Documents, and except for bids submitted via facsimile equipment, shall be submitted in a sealed envelope bearing the title of work and the name of the bidder, and shall be signed by an individual authorized to execute the proposal on behalf of the bidder.

1.2. DISCREPANCIES – In case of a difference between the stipulated amount of the bid written in words and the stipulated amount written in figures, the stipulated amount stated in written words shall govern.

1.3. MODIFICATIONS -- Proposal shall not contain any recapitulations of the work to be done. Alternate proposals will not be considered unless called for. Oral proposals or modifications will not be considered.

1.4. EXAMINATION OF BID DOCUMENTS AND VISIT TO SITE -- Before submitting a proposal, bidders shall carefully examine the specifications, and other contract documents, shall visit the site of work, and shall fully inform themselves as to all existing conditions and limitations and shall indicate on the proposal the sum to cover the cost of all items included on the proposal form.

1.5. DELIVERY OF PROPOSALS -- Proposals shall be delivered by the time and to the place stipulated in the advertisement. It is the sole responsibility of the bidder to see that his proposal is received in proper time. Any bids received after the bid opening date and time shall be returned to the bidder unopened.

1.6. WITHDRAWAL -- Any bidder may withdraw his proposal, either personally, by facsimile, or by written request, at any time prior to the scheduled closing time for receipt of proposals.

1.7. OPENING -- Bids will be opened and publicly read aloud at the time and place set forth in the Notice to Bidders.

1.8. INTERPRETATION OF DOCUMENTS -- If any person contemplating submitting a proposal is in doubt as to the true meaning of any part of any drawing or specification, he may submit to the Purchasing Agent a written request for an interpretation or correction thereof. The person submitting the request will be responsible for its prompt delivery. Any interpretation or correction of the documents will be made only by addendum duly issued and a copy of the addendum will be mailed or delivered to each person on record

as receiving a set of the Contract Documents. Neither the City nor the Purchasing Agent will be responsible for any other explanations or interpretations of the Contract Documents.

1.9. ADDENDA -- Any addenda issued during the time of bidding, or forming a part of the Contract Documents provided to the bidder for the preparation of his proposal, shall be covered in the proposal and shall be made a part of the contract. Receipt of each addendum shall be acknowledged in the proposal.

1.10. BIDDERS INTERESTED IN MORE THAN ONE PROPOSAL -- No person, firm or corporation shall be allowed to make, file or to be interested in more than one proposal for the same work, unless alternate proposals are called for. A person, firm, or corporation who has submitted a sub-proposal to a bidder is not hereby disqualified from submitting a sub-proposal or quoting prices to other bidders.

1.11. NONDISCRIMINATION -- The Contractor agrees to comply with the Federal Civil Rights Act of 1964 as amended; the Federal Civil Rights Act of 1991 as amended; the Americans With Disabilities Act of 1990 as amended; the Elliott-Larsen Civil Rights Act, Article 2, Act no. 453, Public Act of 1976 as amended; the Michigan Handicapper's Civil Rights Act, Article 2, Act. No. 220; Public Act of 1976, as amended and all other applicable Federal, State and Local laws and regulations. Specifically, contractors and subcontractors are required not to discriminate against any employee or applicant for employment with respect to such person's hire, tenure, terms, conditions, or privileges of employment, or any matter directly or indirectly related to employment because of such person's height, weight, race, color, religion, national origin, ancestry, age, marital status, sex or disability, as defined by law. Breach of this covenant may be regarded as a material breach of the contract.

The City of Portage in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 USC 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Federally-assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of gender, disability, race, color or national origin in consideration for an award.

1.12. PROPOSAL GUARANTEE -- Each proposal shall be accompanied by a certified check or bid bond acceptable to the City in an amount equal to at least 5% of the proposal, payable without condition to the City as a guaranty that the bidder, if awarded the Contract, will promptly execute the Agreement in accordance with the proposal and the other contract documents, and will furnish good and sufficient bond for the faithful performance of the same, and for the payment to all persons supplying labor and material for the work. Bids that do not include a certified check or bid bond will be considered non-responsive and will be rejected. Company or personal checks will not be accepted as substitute for a certified check or bid bond. Bids offering personal or company checks in lieu of a certified check or bid bond will be considered non-responsive and will be rejected. The Proposal Guarantees of all Bidders, except the three lowest, will be returned promptly after the canvass of Proposals.

1.13. PERFORMANCE, MAINTENANCE AND LABOR & MATERIAL BONDS – The successful Bidder, simultaneously with the execution of the contract, will be required to furnish a faithful Performance Bond in an amount equal to 100% of the Contract Amount, a Maintenance and Guarantee Bond equal to 25% of the Contract Amount which shall be effective for two years beyond the date of final payment, and a Labor and Material Payment Bond equal to 100% of the Contract Amount; said bonds shall be secured from an insurance company satisfactory to the City. Typical Bond forms are included in the Contract Documents.

1.14. DURATION OF PROPOSAL -- Each proposal shall be considered binding and in effect for a period of 120 days after the date of opening set forth in the advertisement.

1.15. BIDS SUBMITTED VIA FACSIMILE EQUIPMENT -- Bids may be submitted via facsimile equipment to (269) 329-4535 in the following manner.

1.15.1. Transmittal page must be plainly marked:
"Sealed Bid_____ for opening_____."
Bid Name Date
MDOT PREQUALIFIED: _____Yes _____No

1.15.2. When bids are submitted via facsimile equipment, both the original document and the facsimile printout are counterpart originals.

1.15.3. Whenever a proposal guaranty/bond is required, bids submitted via facsimile equipment can comply with this

provision by submitting a facsimile copy of the bond document. When a cashier's check is elected to meet the proposal guaranty/bond requirement, the cashier's check must be physically in the possession of the City by the date and time outlined on the Notice to Bidders, or such bid may be considered non-responsive.

1.15.4. In electing to use the facsimile option, the bidder assumes full responsibility for any and all errors, omissions, or mistakes that result in a bid not being submitted in a timely manner, whether or not the mistake was the fault of the bidder.

1.16. CITY OF PORTAGE CONTRACT CONDITIONS AND SPECIFICATIONS – All bids submitted shall be in full compliance with the Contract Conditions and Specifications of the City of Portage. The Contract Conditions and Specifications can be obtained form the Purchasing Department. The first set will be provided to the Firm at no cost and subsequent sets or copies must be purchased for $25.00.

1.17. INSURANCE REQUIREMENTS
Prior to commencement of the work, the Contractor shall purchase and maintain during the entire term of the project such insurance as will protect the Contractor, the City, and the Engineer(s) from claims arising out of the Work described in this contract and performed by the Contractor, Subcontractor(s), or Sub-subcontractor(s). The certificate of insurance must contain the following statement: The City of Portage, its agents, elected officials, and employees, is included as an additionally insured party. This insurance must consist of:

1.17.1. Workers Compensation
Workers Compensation insurance, including Employer's Liability to cover employee injuries or disease compensable under the Workers Compensation statues of the states in which work is conducted under this contract.

1.17.2. Comprehensive General Liability
A Comprehensive General Liability policy to cover bodily injury to persons other than employees and for damage to tangible property, including loss of use thereof, including the following exposures.

a) All premises and operations.

b) Explosion, collapse and underground damage.

c) Protective coverage for Independent Contractors or Subcontractors employed by the Contractor.

d) Contractual Liability for the obligation assumed in the Indemnification or Hold Harmless agreement found in the contract.

e) Personal Injury Liability endorsement with no exclusions pertaining to employment.

f) Products and Completed Operations coverage. This coverage shall extend through the contract guarantee period.

1.17.3. Comprehensive Automobile Liability

A Comprehensive Automobile Liability policy to cover bodily injury and property damage arising out of the ownership, maintenance or use of any motor vehicle, including owned, non-owned, and hired vehicles. In the light of standard policy provisions concerning (a) loading and unloading and (b) definitions pertaining to motor vehicles licensed for road use vs. unlicensed or self-propelled construction equipment, it is strongly recommended that the Comprehensive General Liability and the Comprehensive Auto Liability be written by the same insurance carrier, though not necessarily in one policy.

1.17.4. Umbrella or Excess Liability

The City, or representatives of the City, may for certain projects, require limits higher than those stated as follows. The Contractor is granted the option of arranging coverage under a single policy for the full limit required or by a combination of underlying policies with the balance provided by an Excess or Umbrella Liability policy equal to the total limit(s) requested. Umbrella or Excess policy wording shall be at least as broad as the primary or underlying policy and shall apply to both the general liability, and to the automobile liability insurance of the Contractor.

1.17.5. Limits of Liability

The required limits of liability for insurance coverage shall not be less than the following:

A. Workers Compensation Statutory

B. Comprehensive General Liability $1,000,000 Combined Single Limit (including sub-contractors)

C. Comprehensive Automobile Liability $1,000,000 Combined Single Limit (Injury and Property Damage)

D. Umbrella or Excess Liability $2,000,000

1.17.6. Notice of Cancellation or Intent Not to Renew
The certificates of insurance indicated above shall be endorsed to provide at least 30 days prior written notice shall be given to the City of cancellation, material change in policy or of intent not to renew and 10 day cancellation notice for non-payment of premium.

1.17.7. Evidence of Coverage
The Insurance Certificates referenced in Paragraph 1 above must be submitted within 10 working days of notification of award and prior to the execution of any Work under this contract.

It shall be the responsibility of the Contractor to provide similar insurance for each Subcontractor, or to provide evidence that each Subcontractor carries insurance in like amounts, prior to the time such Subcontractor proceeds to perform under the contract.

1.17.8. Indemnification
To the fullest extent permitted by Laws and Regulations, the Contractor shall indemnify and hold harmless the City and its officers, directors, employees, agents and consultants from and against all claims, costs, losses and damages (including but not limited to all fees and charges of engineers, architects, attorneys and other professionals and all court or arbitration or other dispute resolution costs) caused by, arising out of or resulting from the performance of the Work or from the failure to comply with any covenant or term of the contract, provided that any such claim, cost, loss or damage: (i) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself), including the loss of use resulting there from and (ii) is caused in whole or in part by any act or omission of the Contractor, any Subcontractor, any Supplier, any person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts any of them may be liable, regardless of whether or not

caused in part by any act or omission of a person or entity indemnified hereunder or whether liability is imposed upon such indemnified party by Laws and Regulations regardless of the negligence of any such person or entity.

In any and all claims against the City or any consultants, agents, officers, directors or employees of the City by any employee (or the survivor or personal representative of such employee) of the Contractor, any Subcontractor, any Supplier, any person or organization directly or indirectly employed by any of them to perform or furnish any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation above shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or any such Subcontractor, Supplier or other person or organization under workers' compensation Acts, disability benefit Acts or other employee benefit Acts.

Insurance coverage required by the contractor constitutes the minimum requirements and those requirements shall in no way lessen or limit the liability of the contractor under the terms of the contract. The contractor shall procure and maintain at contractor's own cost and expense any additional claims or amounts of insurance that, in the judgment of the City, may be necessary for contractor's proper protection in the prosecution of the work.

1.17.9. BASIS OF AWARD

Award will be made to a responsive and responsible bidder whose lowest grand total bid is determined by the City to be in the best interest of the City. Each proposal shall have the unit prices and extensions checked for correctness. If discrepancies appear between the unit prices and extensions submitted, the unit price submitted for the particular pay item shall govern, and the dollar amount of the proposal adjusted accordingly. The estimated quantities of items of unit price work are not guaranteed and are solely for the purpose of comparison of bids and determining an initial contract price. The award will be based upon bids from responsive and responsible bidders.

2. GENERAL SPECIFICATIONS

PROJECT DESCRIPTION

All work under this contract shall conform to the current edition of the Michigan Department of Transportation (MDOT) Standard Specifications, City of Portage Contract Conditions and Specifications and Special Provisions included herein, unless otherwise directed by the Project Manager.

The work generally consists of the preparation, cold milling, paving, restoration, and other ancillary activities of certain major/local roads. Such work shall be performed in accordance with the location and other information contained in this document.

2.1 STREET PAVING (MATERIAL & EQUIPMENT SPECIFICATIONS):

A. Local Streets Paving and Major Street Mill & Fill Specifications

1. *Material Specification, HMA*
   This activity will consist of the milling of existing asphalt and replacing with 165 #/SYD MDOT 13A Modified mix (PG 64-22) at identified locations (see attachment). Unit price shall be by U. S. ton and shall include all base preparation and clean-up associated with the placement of asphalt.

2. *Cold Mill HMA Surface*
   The Contractor, prior to commencing the paving operations, shall roto-mill (cold-mill) selected areas of the bituminous surface. Cold-milling shall be as specified in the current Michigan Department of Transportation (MDOT) standard specifications. The Project Manager will locate all areas to be cold-milled on local and major streets. Cold mill bituminous surface shall be at a depth of 1 ½ inches on local and major streets or as directed by the Project Manager. The width of the milling shall be 6.5 feet wide from the edge of the concrete gutter pan or the intersection line or various widths as determined by the Project Manager. Structure covers shall be chipped around to accommodate 1-1/2” inches of new asphalt. The unit price bid, in square yards, shall be for all equipment, labor, and material necessary to complete the milling as specified. The City reserves the rights to up to all milled materials from the local streets and mill & fill paving job sites which

shall be delivered to the City of Portage Compost Site at 10905 Oakland Drive.

3. *Valley Gutter*
Valley Gutter shall be installed per City of Portage SD-131 (attached) at locations as indicated on the plans. This item shall be paid per foot and shall include labor and material to complete the work as specified.

4. *Base Prep*
The contractor shall satisfy himself as to the nature of the distribution of the materials adjacent to the pavement. Local streets are to be paved at a width directed by the Project Manager. The areas adjacent to the pavement which are to be paved over are to be prepared in advance of the paving operations at a minimum the day previous to the scheduled day of paving. Base preparation costs will be included in the price/ton of HMA.

The Project Manager, prior to the scheduled day of paving, will locate the centerline and establish edge of proposed pavement. All non-hard surfaced areas within the paving area must be prepared prior to the placement of the bituminous paving. The contractor shall grade the area adjacent to the pavement at a proper grade for drainage purposes, while still maintaining the existing crown integrity of the roadway. Any vegetation bearing soil found within the paving area will be graded out and replaced with a minimum of 3 inches of 22A gravel. Graded material shall be removed from the area prior to paving and the grading costs will be included in the price/ton of HMA.

5. *Mailboxes*
All mailboxes that will interfere with the paving shall be relocated prior to the beginning of base preparation. The face of the box shall be flush with the proposed edge of pavement. Upon completion of paving, any mailboxes which are greater than a distance of 1 foot from the edge of the new asphalt shall be moved to within 1 foot of the new road edge as directed by the Project Manager. Any mailboxes or posts damaged during relocation shall be replaced with equal to or greater mailbox and a 4’ by 4’ wooden cross arm style post approved by the Project Manager.

Mailbox relocation shall be paid for at the contract unit price for each mailbox being relocated. Mailbox relocation shall be measured by the number of posts or post-like material relocated regardless of the number of boxes attached to the posts. Relocation shall be per City of Portage Standard Design 120 (see attachment). The unit price bid shall include all labor, equipment and material necessary to relocate each mailbox.

6. *Restoratio*n

Immediately following the installation of the bituminous pavement, each area (where applicable) shall be cleaned up (restored). The restoration behind the pavement must commence immediately following the placement of the bituminous material. The Contractor shall use a processed top soil containing a minimum of 4% organic content approved by the Project Manager. Generally, restoration operations will be limited to 1 to 3 feet in order to blend to the existing ground/lawn. In residential or commercial areas restoration material will be top soil. All areas restored shall be seeded immediately following the placement of the top soil. Seeding shall be done with a mixture of 60% Kentucky Blue Grass, 30% Creeping Red Fescue, and 10% Perennial Rye, or approved equal. Following the area's seeding, it shall be covered with straw. In addition, the contractor may elect to hydro-seed if desired.

All driveway restoration shall be completed a maximum of 3 working days following the paving of the adjacent roadway. All restoration alongside the new pavement shall be accomplished within 10 working days following the paving of the adjacent roadway. Failure to complete each of these items may subject the contractor to a penalty of $300 per calendar day per street until completion is accomplished.

Method of payment for restoration shall be as follows. All labor and equipment necessary to top soil and seed behind the new edge of pavement using top soil material shall be included in the unit price per square yard.

7. *Drive Approaches*

All driveways shall be paved across in such a manner as to avoid ponding storm water. All gravel or other loose material driveways shall be prepared in the same manner as

the areas adjacent to the existing pavement. Material excavated from a driveway will be used to backfill the driveway following paving.

If additional gravel is needed to restore a driveway, it shall be 21AA or white stone gravel and will be paid for at the contract unit price per cubic yard, loose measure by means of a duplicate ticket. If the ticket is in tons, 3100 pounds per cubic yard will be used to convert weight to volume.

Existing HMA and concrete driveways will be addressed in such a manner as to not create a "speed bump." On most driveways this can be accomplished by means of tapering the asphalt to meet the existing driveway surface. However, feathering the asphalt thickness in such a manner as to jeopardize the integrity of the finished pavement is not acceptable. To avoid this, paving to some hard surfaced driveways may require the removal of some material to form a butt joint.

8. *Pavement Marking*
All streets with pavement markings shall have the markings replaced. Local street pavement markings consist of 12 inch white cross-walk lines and 24 inch white stop bars. Local and major street pavement markings shall be either inlay cold plastic or waterborne paint as specified in this document. All pavement markings and pavement marking materials shall conform to the current edition of the Michigan Manual of Uniform Traffic Control Devices, current MDOT Specifications, and special provisions included herein, unless otherwise directed by the Project Manager. In addition, pavement markings shall be painted with a highway designed painting equipment. Payment shall include all equipment, labor and material to replace the pavement markings.

9. *Structure Adjustment and Environmental Protection*
All drainage structures, structure covers and water valves within the limits of the paving shall be adjusted to the finish grade of the overlay. Structure covers (sanitary manholes, storm manholes, etc.) on local streets can be adjusted by means of a Type M-7 solid adjustment ring, or approved equal. All structure covers shall be raised to grade in accordance with Section 403 of MDOT Standard Specifications Drainage Structure Cover, Adjust, Case 1 and will be placed to conform with the new crown of

roadway. Water valve covers shall be adjusted in accordance with current MDOT Standard Specifications. Any structure needing adjustment greater than 6 inches shall be considered as reconstruction. Such reconstruction shall be in accordance with current MDOT Standard Specifications. In addition, the Contractor will be required to place filter fabric over storm drains to reduce HMA in the storm water system. Payment shall be for each structure or cover adjusted or reconstructed and such payment shall include all labor, equipment and material necessary to accomplish each adjustment/reconstruction.

10. *Traffic Control*

On the portion of the project related to major or local streets, the contractor shall be responsible to develop a traffic maintenance control plan and submit it for approval to the City Traffic Engineer. Access to side streets and driveways will be maintained at all times.

On all portions of the project and impacted areas, Contractor shall place construction signing and barricading as depicted in the approved traffic maintenance control plan. Contractor shall notify the Traffic Engineer at least 12 hours prior to either commencing the construction or shifting the traffic.

All traffic control and construction signage (traffic regulators, 42” grabber cones, signage, arrow boards, and barricades) will be priced as a lump sump. This includes local streets paving and major street mill & fill locations.

11. *Laying Out of Work*

Before submitting a bid, the Contractor shall verify all measurements and shall be responsible for the correctness of same. No extra charge or compensation will be allowed on account of differences between actual dimensions and the measurements used to prepare this document. Any difference which may be found, shall be submitted to the Director of Streets & Equipment for consideration before proceeding.

12. *Schedule*

The Contractor shall supply the City with an agreeable construction schedule before commencing work on this

contract. This schedule shall detail beginning and completion dates for each major component of this project. All work on this contract shall commence after July 1, 2011 and be completed by September 2, 2011. The Contractor shall schedule his/her work to accommodate the City's scheduled completion date. In the event that this schedule requires night, weekend or overtime work, no additional compensation will be allowed. All work shall be part of this contract without regard to when it takes place.

13. *Removal of Rubbish*
The Contractor shall remove all rubbish and accumulated materials due to his/her construction.

14. *HMA Equipment Requirements*
For the Major Street Mill & Fill Project, the contractor will be required to furnish an 8 to 10 ton, vibratory, compaction roller and a 3 to 5 ton, vibratory, finish roller. These rollers will ensure the appropriate compaction and finish to the road repair sections. In addition, the HMA will be transported in 40 ton (or greater), insulated, rear discharge, live bottom, material transporter.

15. *Mill & Fill Quality Control*
The Project Manager will be checking Major Streets Mill & Fill ride quality. The inspection of ride quality will be accomplished by using a 10-foot straightedge at selected locations. Newly paved sections of the Mill & Fill Program that do not meet +/- .25 inch of deviation on the 10-foot straightedge will require further rolling or total removal and replacement if deemed necessary by the Program Manager. All costs associated with correcting variations more than specified will be borne by the Contractor.

16 *Remove and Replace Concrete Sidewalk*
This item shall consist of all excavation, saw cutting, embankment, preparation, root cutting, tree removal 8" diameter or less, brush removal or relocation, bush removal or relocation, tree limb trimming, adjusting traffic signal hand holes, removing fence, sign relocation, topsoil, seeding and restoration etc., required for the installation of the sidewalk.

All work shall be done in accordance with the applicable sections of the Standard Specifications. All excess cut

material shall be hauled from the site. All embankments directly beneath the sidewalk and within a 1 on 1 slope shall be Class II granular material provided by the Contractor. Tree limbs which extend over the new sidewalk shall be carefully removed by the Contractor as directed by the Project Manager and the cut ends shall be painted with bitumastic.

Sidewalk trenching will be measured by station along the centerline of each sidewalk separately within the limits established by the Project Manager.

The contract unit price for stations of sidewalk removal will be payment in full for furnishing all equipment and labor, furnishing and placing all embankment, disposing of surplus material from the project, restoration, and all other work specified above. Removal of existing concrete or bituminous sidewalk adjacent to areas of new sidewalk construction shall be paid for as remove existing sidewalk, which unit price shall be payment in full for all labor, equipment and materials necessary to remove the existing sidewalk to the limits indicated by the Project Manager and prepare the area for placement of new sidewalk.

Concrete materials, Placement, and Finishing--Concrete materials, placement, and finishing shall conform to the City of Portage specifications. The surface shall be floated just enough to produce a smooth surface free from irregularities, with all edges and joints rounded. The surface of sidewalks shall be broomed to produce a slightly roughened surface. The surface of sidewalk ramps shall be textured to comply with attachment B. Curing and protection shall also be in accordance with aforementioned specifications.

Backfilling and Restoration -- After a minimum of 24 hours, forms may be removed and sidewalk may be back filled. The backfill shall be compacted and leveled and topped with 4 inches of processed topsoil, approved by the Project Manager, which shall be leveled to the top of the sidewalk or curb and the adjacent existing ground. Seeding shall be done with a mixture of 60% Kentucky Blue Grass, 30% Creeping Red Fescue, and 10% Perennial Rye, or approved equal. Following the area's seeding, it shall be covered with straw. In addition, the contractor may elect to hydro-seed if desired. The restoration of sidewalks through

aggregate surfaces driveways shall be completed to grade with aggregate similar to the surrounding driveway. The contractor shall ensure restoration of the designated sidewalk areas are complete before moving onto the next sidewalk area delineated on Attachment "A" unless prior approval is granted by the Project Manager. The contract unit prices for removing and replacing sidewalk items shall include all labor, materials and equipment necessary to complete backfill and restoration as specified herein.

Sidewalk Ramp and Detectable Warning -- The installation of sidewalk ramps and detectable warning plates shall comply with MDOT specifications (R-28-F) which are attached to this document. The City of Portage specifies the use of the East Jordan Iron Works, cast iron detectable warning plates that are colored black and are available in 2 feet by 2 feet sections.

17. *Curb and Gutter Pan Replacement*
At specified locations requiring the removal and replacement of curb and gutter pan, the contractor shall comply with City of Portage Standard Design #113, #116, #117, and #118. The asphalt near the removed curb or gutter pan shall be saw cut and replaced with equal depth of pavement. The annulus shall not be filled with concrete.

Backfilling and Restoration of Curb and Gutter Pan -- After a minimum of 24 hours, forms may be removed and sidewalk may be back filled. The backfill shall be compacted and leveled and topped with processed topsoil, approved by the Project Manager, which shall be leveled to the top of the curb and the adjacent existing ground. Seeding shall be done with a mixture of 60% Kentucky Blue Grass, 30% Creeping Red Fescue, and 10% Perennial Rye, or approved equal. Following the area's seeding, it shall be covered with straw. In addition, the contractor may elect to hydro-seed if desired. The restoration of curbs or gutter pans through aggregate surfaces driveways shall be completed to grade with aggregate similar to the surrounding driveway. The contractor shall ensure restoration of the designated curb areas are complete before moving onto the next curb or gutter pan area delineated on Attachment "A" unless prior approval is granted by the Project Manager. The contract unit prices for removing and replacing curb or gutter pan items shall include all

labor, materials and equipment necessary to complete backfill and restoration as specified herein.

18. *Sequence of Work*
On all local streets to be reconstructed with a total HMA overlay, the sidewalk repairs, ADA ramp installations, and curb/gutter pan repairs shall be completed including all restoration prior to applying final surface asphalt to the street surface.

19. *Contractor Requirements*
Contractors bidding on this project will be required to be prequalified as an MDOT contractor. In addition, any sub-contractors performing work on this paving project will also need to be MDOT prequalified. Information on how to become a MDOT prequalified contractor can be found at the following web site: http://www.michigan.gov/mdot.

2.2 GUARANTEE
The Contractor shall guarantee all materials and workmanship for a period of 2 years from the final acceptance of the completed work and shall repair, replace or make good any materials or work which shall fail to function or perform or be found defective, without cost to the City.

2.3 INTENT
It is the intent of these specifications to provide for all labor, materials, tools and equipment necessary to perform in a workman-like manner the street resurfacing work for the City of Portage, as delineated and specified herein.

2.4 QUANTITIES
The quantities shown on the proposal are approximate only and are subject to increase or decrease. No guarantee of maximum or minimum is given.

2.5 INSPECTION OF WORK
The City will maintain inspectors on the job who shall at all times have access to the work and quality control.

2.6 MATERIALS INSPECTION AND RESPONSIBILITY
The City shall have the right to inspect any material to be used in carrying out the terms of this contract.

The City does not assume any responsibility for the contracted quality and standards of all materials, equipment, components or completed work furnished under this contract.

Any such materials, equipment, components or completed work which do not comply with MDOT or City of Portage specifications or State codes may be rejected by the City and shall be replaced by the Contractor at no cost to the City.

3. SUPPLEMENTAL SPECIAL PROVISIONS

3.1 The Contractor shall submit to the City of Portage, for approval, a laboratory Marshall Mix Design Representative of the mixture to be placed by the Contractor.

The mix design shall include the following information:

3.1.1 The recommended optimum asphalt content.
3.1.2 Any deviations from ASTM D 1559 (Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus).
3.1.3 The method used for determining the theoretical maximum specific gravity.
3.1.4 The asphalt content, compacted mixture specific gravity, theoretical maximum specific gravity air voids, voids filled with asphalt (VFA), voids in the mineral aggregate (VMA), stability and flow for each test point and for the recommended optimum asphalt content.
3.1.5 The MDOT pit number, gradation, Aggregate Wear Index (AWI), carbonate content, soft stone (shale and siltstone) content, clay ironstone content, crushed content (retained on the No. 4 sieve) and aggregate producer for each aggregate*.
3.1.6 The asphalt cement penetration and/or viscosity grade, specific gravity, producer and supplier.
3.1.7 The mineral filler source and supplier.
3.1.8 The mixture proportions (aggregate plus mineral fillers should equal 100 percent).
3.1.9 The Job Mix Formula (JMF) which shall include the asphalt content and the combined aggregate gradation, AWI, carbonate content, soft stone content, clay ironstone content and crushed content*.

*AWI, carbonate content, soft stone content and clay ironstone content is required only on projects for which that particular information is a project requirement.

The Contractor shall be responsible for all costs involved in the development of a mix design. The owner shall pay for the initial verification of the mix design by MDOT. If a new mix design is required for any change in materials, suppliers or sources, the verifications of the new mix designs will be done by an independent

testing laboratory under the same procedures and requirements specified for the original mix design and shall be paid for by the Contractor.

The Contractor shall be responsible for HMA testing including, but not limited to, plant testing, HMA density, temperature, and other requirements of Sections 502, 503, and 504 of the MDOT Standard Specifications for Construction. Upon completion of the project all test reports shall be provided to the City.

Bituminous mixtures not meeting specifications shall be rejected and shall be replaced at no expense to the City.

SPECIAL PROVISION
FOR

MAINTAINING TRAFFIC

GENERAL

Traffic shall be maintained according to Sections 103.05, 103.06 and 812 of the 2003 Standard Specifications for Construction, including any Supplemental Specifications, and as specified here.

The Contractor shall notify the Project Manger a minimum of 72 business hours prior to the implementation of any detours, road closures, lane closures, bridge closures, and major traffic shifts.

The Contractor shall coordinate his operations with Contractors performing work on other projects within or adjacent to the Construction Influence Area (CIA) as described below.

None known at this time.

Portage maintenance crews and/or Contract Maintenance Agencies may perform maintenance work within or adjacent to the Construction Influence Area (CIA). The Maintenance Division of the City of Portage and/or Contract Maintenance Agency will coordinate their operations with the Project Engineer to minimize the interference to the Contractor. No additional payment will be made to the Contractor for the joint use of the traffic control items.

CONSTRUCTION INFLUENCE AREA (CIA)

The CIA shall include the right-of-way of the following roadways, within the approximate limits described below:

In addition, the CIA shall include the rights-of-way of any intersecting roads adjacent to the work zone for a distance of approximately 500 feet in advance and appropriate distances to provide proper warning devices in accordance with the MMUTCD, latest edition and the attached maintaining traffic details.

SPECIAL PROVISION
FOR

MAINTAINING TRAFFIC

TRAFFIC RESTRICTIONS

No work shall be performed or lane closures allowed during the July 4th holiday period, as defined by the Project Manager.

A minimum of one (1) lane of traffic in each direction shall be maintained at all times on major roads.

Access shall be maintained to all residences and businesses. Temporary driveway closures will be allowed if alternate access is available. Any temporary driveway closures shall utilize

Business Directional Signage.

The arrow panel, signs and channelizing taper for any lane closures and / or flag control operation shall be placed at locations approved by the Project Manager for adequate visibility by oncoming traffic.

Access for construction vehicles between the travel lanes and work areas will be restricted to specific locations. The number of access points and their locations will require the prior approval of the Project Manager.

Once work is initiated that includes any lane restrictions, that work shall be continuous until completed. A lack of work activity for more than one week will require the removal and replacement of lane restrictions at the Contractors expense. Traffic control devices shall be removed at the end of each work night.

Flag control shall be used as directed by the Project Manager for cross street traffic while paving through signalized intersections. Additional traffic regulators used at unsignalized intersections and driveways, as directed by the Project Manager.

Traffic shall not be maintained on the milled surface for more than 48 hours.

Traffic Control:

“Road Work Ahead” (W21-4) located by major road mill & fill locations (4 ea) plus:

- 1 lane closure and traffic shift on major street locations per MDOT detail M000e, M001be, and M021e.

SPECIAL PROVISION
FOR

MAINTAINING TRAFFIC

ESTIMATED QUANTITIES

Barricade, Type III, High Intensity, Lighted, Furn	**2 ea**
Barricade, Type III, High Intensity, Lighted, Oper	**2 ea**
Lighted Arrow, Type C, Furn	**2 ea**
Lighted Arrow, Type C, Oper	**2 ea**
Grabber Cone, 42" Furn	**50 ea**
Grabber Cone, 42" Oper	**50 ea**
Sign, Type B, Temp Furn	**432 sft**
Sign, Type B, Temp Oper	**432 sft**
Minor Traffic Devices	**1 ls**
Flag Control	**1 ls**

The traffic control required by this Special Provision for work on major streets is based on the suggested sequence of operations contained in the staging plans. An alternate traffic control plan may be used by the Contractor, subject to review and approval by the Project Manager.

Following is a brief description of traffic control required during each construction stage detailed on the plans:

SPECIAL PROVISION
FOR

MAINTAINING TRAFFIC

TRAFFIC CONTROL DEVICES

General

All traffic control devices and their usage shall conform to the Michigan Manual of Uniform Traffic Control Devices (MMUTCD), current edition as revised, and as specified herein.

During non-working periods, any work site with uncompleted work shall have advance signs (W20-1 - "Construction Ahead" or W21-4 “Road Work Ahead”), at specific locations, as directed by the Project Manager, at no additional cost to the city.

During construction, access to all business and residential drives shall be maintained.

SPECIAL PROVISION
FOR

MAINTAINING TRAFFIC

Temporary Signs

All diamond-shaped warning signs shall be 4 ft. x 4 ft. mounted at a 5 foot minimum bottom height in uncurbed areas, and 7 foot minimum bottom height in curbed or pedestrian areas.

Distances between construction warning, regulatory and guide signs shown on the typicals are approximate and may require field adjustment, as directed by the Project Manager.

All temporary signs shall be constructed with legends and symbols flush to the signs face and not extending beyond the sign borders or edges.

Channelizing Devices

Channelizing devices required for all traffic lane closures and shifts shall be 42" Grabber Cones.

MEASUREMENT AND PAYMENT

The estimate of quantities for maintaining traffic on this project is based on the suggested sequence of operations contained in the staging plans and described in this Special Provision and payment for these devices shall be according to Section 812.04 of the 2003 Standard Specifications for Construction unless otherwise specified.

All traffic control and construction signage (traffic regulators, 42" grabber cones, signage, arrow boards, and barricades) will be priced as a lump sump for the each paving division. This includes local street paving and major streets mill and fill locations.

SPECIAL PROVISION
FOR
MAINTAINING TRAFFIC

DISTANCE BETWEEN TRAFFIC CONTROL DEVICES "D"

"D" DISTANCES	POSTED SPEED LIMIT, MPH (PRIOR TO WORK AREA)									
	25	30	35	40	45	50	55	60	65	70
D (FEET)	250	300	350	400	450	500	550	600	650	700

GUIDELINES FOR LENGTH OF
LONGITUDINAL BUFFER SPACE[1] "B"

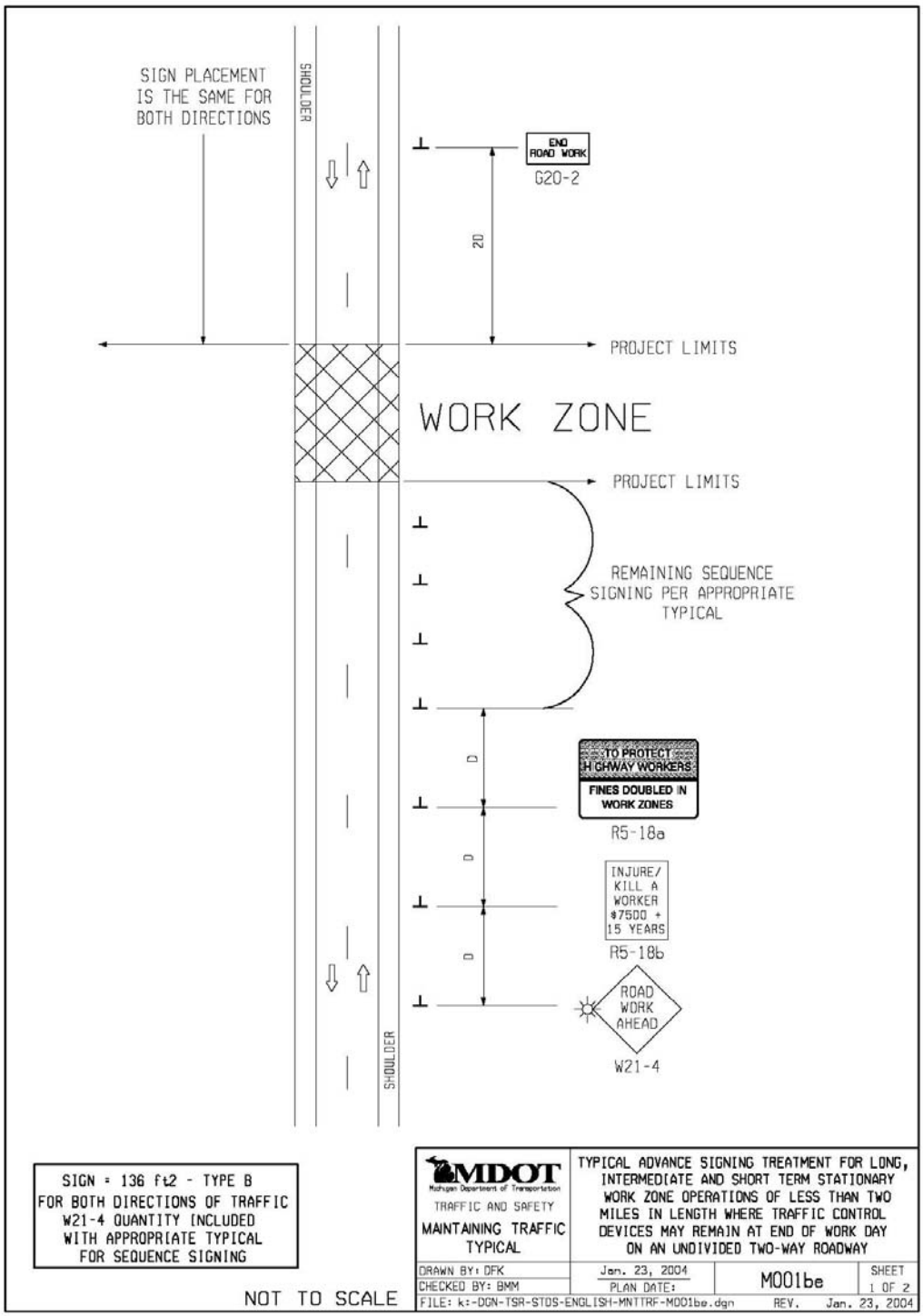
SPEED* MPH	LENGTH FEET
20	33
25	50
30	83
35	132
40	181
45	230
50	279
55	329
60	411
65	476
70	542

* POSTED SPEED, OFF PEAK 85TH PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED

1 BASED UPON AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) BRAKING DISTANCE PORTION OF STOPPING SIGHT DISTANCE FOR WET AND LEVEL PAVEMENTS (A POLICY ON GEOMETRIC DESIGN OF HIGHWAY AND STREETS), AASHTO. THIS AASHTO DOCUMENT ALSO RECOMMENDS ADJUSTMENTS FOR THE EFFECT OF GRADE ON STOPPING AND VARIATION FOR TRUCKS.

MDOT Michigan Department of Transportation TRAFFIC AND SAFETY MAINTAINING TRAFFIC TYPICAL	TABLES FOR "L", "D" AND "B" VALUES		
DRAWN BY: DFK CHECKED BY: BMM	MARCH 2000 PLAN DATE:	M000e	SHEET 2 OF 2
FILE: K:/DGN/TSR/STDS/ENGLISH/MNTTRF/M000e.dgn		REV. Nov. 24, 2003	

SPECIAL PROVISION
FOR
MAINTAINING TRAFFIC



SPECIAL PROVISION
FOR
MAINTAINING TRAFFIC

NOTES

30. THE APPROPRIATE ADVANCE SIGNING SEQUENCE(S), (M001ae THROUGH M001fe) SHALL BE USED ON ALL PROJECTS.

32. THESE SIGNS SHALL BE LEFT IN PLACE AT THEIR PRESCRIBED LOCATIONS FOR THE DURATION OF THE PROJECT AND UNTIL ALL TEMPORARY TRAFFIC CONTROL HAS BEEN REMOVED.

35. THESE SIGNS ARE INTENDED TO BE USED WITHIN THE LIMITS OF THE TEMPORARY SEQUENCE SIGNING AS IS SHOWN ON 1 OF 2. THESE SIGNS ARE NOT TO BE INTERMINGLED WITH ANY OTHER TEMPORARY SEQUENCE SIGNING EXCEPT AS SHOWN.

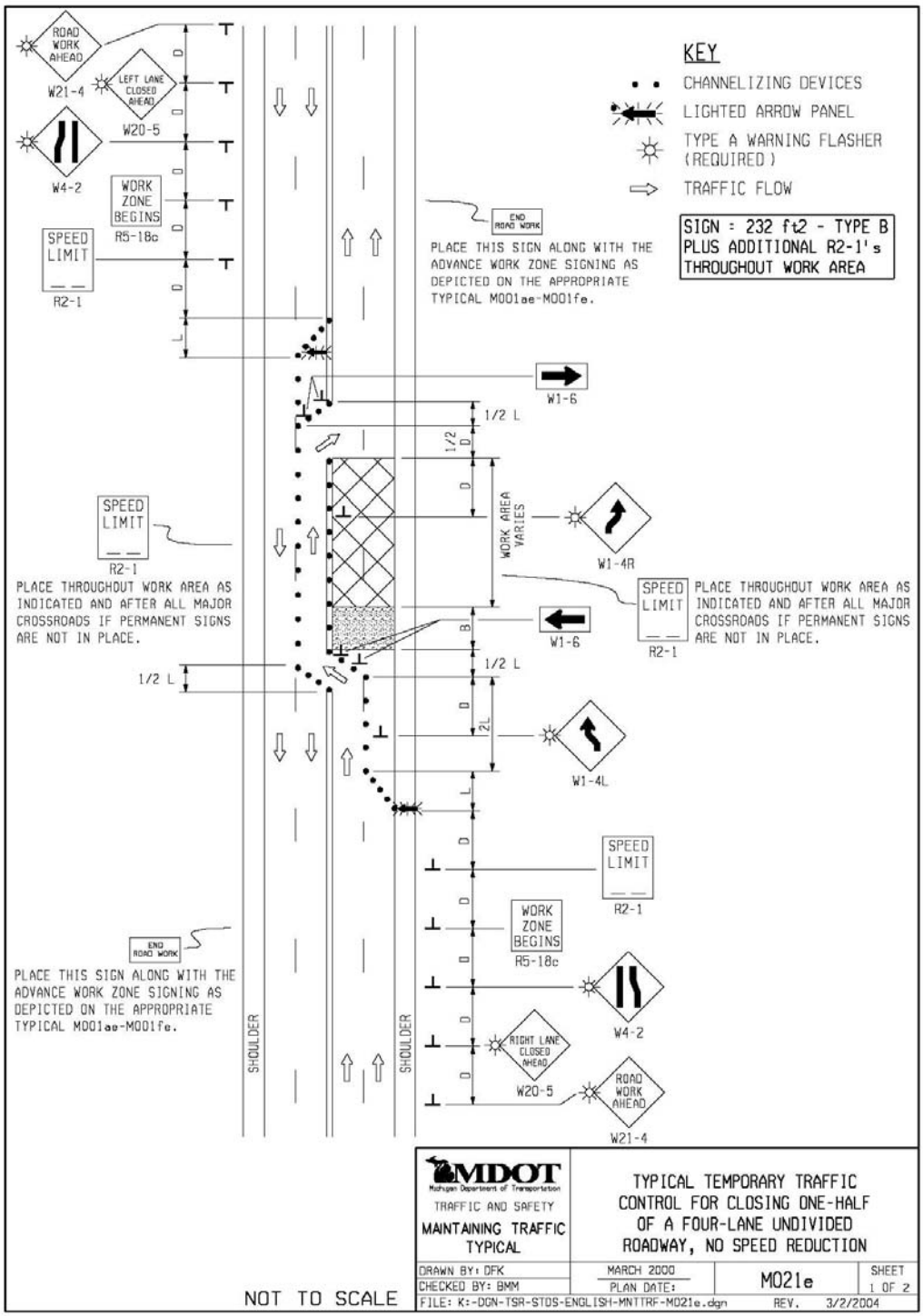
SIGN SIZES

G20-2	-	48" x 24"
R5-18a	-	96" x 60"
R5-18b	-	48" x 60"
W21-4	-	48" x 48"

NOT TO SCALE

MDOT Michigan Department of Transportation TRAFFIC AND SAFETY MAINTAINING TRAFFIC TYPICAL	TYPICAL ADVANCE SIGNING TREATMENT FOR LONG, INTERMEDIATE AND SHORT TERM STATIONARY WORK ZONE OPERATIONS OF LESS THAN TWO MILES IN LENGTH WHERE TRAFFIC CONTROL DEVICES MAY REMAIN AT END OF WORK DAY ON AN UNDIVIDED TWO-WAY ROADWAY		
DRAWN BY: DFK CHECKED BY: BMM	Jan. 23, 2004 PLAN DATE:	M001be	SHEET 2 OF 2
FILE: k:-DGN-TSR-STDS-ENGLISH-MNTTRF-M001be.dgn		REV. Jan. 23, 2004	

SPECIAL PROVISION
FOR
MAINTAINING TRAFFIC



NOTES

1EC. D = DISTANCE BETWEEN TRAFFIC CONTROL DEVICES
L & 1/2 L = MINIMUM LENGTH OF TAPER
B = LENGTH OF LONGITUDINAL BUFFER
SEE **M000e** FOR "D," "L," AND "B" VALUES

2. ALL NON-APPLICABLE SIGNING WITHIN THE CIA SHALL BE MODIFIED TO FIT CONDITIONS, COVERED OR REMOVED.

3. DISTANCES BETWEEN SIGNS, THE VALUES FOR WHICH ARE SHOWN IN TABLE D, ARE APPROXIMATE AND MAY NEED ADJUSTING AS DIRECTED BY THE ENGINEER.

3A. THE "WORK ZONE BEGINS" (R5-18c) SIGN SHALL BE USED ONLY IN THE INITIAL SIGNING SEQUENCE IN THE WORK ZONE. SUBSEQUENT SEQUENCES IN THE SAME WORK ZONE SHALL OMIT THIS SIGN AND THE QUANTITIES SHALL BE ADJUSTED APPROPRIATELY.

4E. THE MAXIMUM RECOMMENDED DISTANCE(S) BETWEEN CHANNELIZING DEVICES SHOULD BE EQUAL IN FEET TO THE POSTED SPEED IN MILES PER HOUR ON TAPER(S) AND TWICE THE POSTED SPEED IN THE PARALLEL AREA(S).

5. FOR OVERNIGHT CLOSURES, CHANNELIZING DEVICES SHALL BE LIGHTED PLASTIC DRUMS.

6. THE TYPE A WARNING FLASHER SHOWN ON THE WARNING SIGNS SHALL BE POSITIONED ON THE SIDE OF THE SIGN NEAREST THE ROADWAY.

7. ALL 4' x 4' WARNING SIGNS, TYPE III BARRICADES, THEIR TEMPORARY SUPPORT SYSTEMS AND LIGHTING REQUIREMENTS SHALL BE FABRICATED IN ACCORDANCE WITH THE CURRENT STANDARD PLAN.

8. WHEN BUFFER AREAS ARE ESTABLISHED, THERE SHALL BE NO EQUIPMENT OR MATERIALS STORED OR WORK CONDUCTED IN THE BUFFER AREA.

21. ALL EXISTING PAVEMENT MARKINGS WHICH ARE IN CONFLICT WITH EITHER PROPOSED CHANGES IN TRAFFIC PATTERNS OR PROPOSED TEMPORARY TRAFFIC MARKINGS, SHALL BE REMOVED BEFORE ANY CHANGE IS MADE IN THE TRAFFIC PATTERN. EXCEPTION WILL BE MADE FOR DAYTIME-ONLY TRAFFIC PATTERNS THAT ARE ADEQUATELY DELINEATED BY OTHER TRAFFIC CONTROL DEVICES.

26. THE LIGHTED ARROW PANEL SHALL BE LOCATED AT THE BEGINNING OF THE TAPER AS SHOWN. WHEN PHYSICAL LIMITATIONS RESTRICT ITS PLACEMENT AS INDICATED, THEN IT SHALL BE PLACED AS CLOSE TO THE BEGINNING OF THE TAPER AS POSSIBLE.

SIGN SIZES

DIAMOND WARNING	- 48" x 48"
W1-6 WARNING	- 48" x 24"
R2-1 REGULATORY	- 48" x 60"
R5-18c REGULATORY	- 48" x 48"

NOT TO SCALE

MDOT Michigan Department of Transportation TRAFFIC AND SAFETY MAINTAINING TRAFFIC TYPICAL	TYPICAL TEMPORARY TRAFFIC CONTROL FOR CLOSING ONE-HALF OF A FOUR-LANE UNDIVIDED ROADWAY, NO SPEED REDUCTION		
DRAWN BY: DFK CHECKED BY: BMM	MARCH 2000 PLAN DATE:	M021e	SHEET 2 OF 2
FILE: K:-DGN-TSR-STDS-ENGLISH-MNTTRF-M021e.dgn		REV. 3/2/2004	

4. COORDINATION CLAUSE – UTILITIES

The below listed utilities may have facilities in the areas where work under this contract will be performed. The utilities are listed to indicate owner only.

Utility	Owner
Gas	Consumers Energy Company
Electric	Consumers Energy Company
Telephone	SBC Communications
CATV	Charter Communications
Water	City of Portage
Sanitary	City of Portage
Traffic Signals	City of Portage
Fibre Optics	AT&T, US Sprint, Fiberlink

On all projects "72 Hours before you Dig - Call Miss Dig Toll Free" . . . (800) 482-7171.

Owners of public utilities will not be required by the City to move additional poles or structures in order to facilitate the operation of construction equipment unless it is determined by the Engineer that such poles or structures constitute a hazard to the public or are extraordinarily dangerous to the Contractor's operations.

No additional compensation will be paid to the Contractor for delays due to material shortages or other reasons beyond the control of the City, or for delays on construction due to the encountering of existing utilities that are, or are not shown, on the plans.

Work stoppage by employees of utility companies which results in a delay of utility revisions on any portion of this project may be considered the basis for a claim for an extension of time for completion, but will not be considered the basis for a claim for extra compensation or an adjustment in the contract.

5.0 CITY OF PORTAGE PROPOSAL FORM

The undersigned has examined the specifications and sites of the work and is fully informed of the nature of the work and understands that the quantities shown are approximate and are subject to increase or decrease.

The undersigned hereby proposes to furnish all labor, construction equipment, materials and supplies; and to do all the work in strict accordance with the plans and specifications applying to the work specified for which prices are submitted.

The undersigned hereby acknowledges the fact that the City of Portage will award the project to the successful bidder conditional upon the availability of funds. The undersigned acknowledges that no contract is created until it is executed by all parties.

The City of Portage reserves the right to accept or reject any or all bids in the best interest of the City. The Contractor's qualifications to complete the work in a timely and satisfactory manner will be considered in making the award.

The undersigned affirms that in making such Proposal neither he nor any company that he may represent, nor anyone in behalf of him or company, directly or indirectly, has entered into any combination, collusion, undertaking or agreement with any other bidder or bidders to maintain the prices of said work, and further affirms that such proposal is made without regard or reference to any other bidder or Proposal and without any agreement or understanding or combination, either directly or indirectly, with any other person or persons with reference to such bidding in any way or manner whatsoever.

The undersigned hereby agrees that if the foregoing proposal shall be accepted by the City, he will within 10 consecutive calendar days after receiving notice of the acceptance of such proposal, enter into contract in the appropriate form to furnish the labor, materials and equipment necessary for the full and complete execution of the work, at and for the price named in his proposal; and, he will furnish the labor, materials and equipment necessary for the full and complete execution of the work, at and for the price named in his proposal; and, he will furnish the labor, materials and equipment necessary for the full and compete execution of the work, at and for the price named in his proposal. No contract is created until it is executed by all parties.

The undersigned affirms that he has examined the surface and subsurface conditions where the work is to be performed, the legal requirements and conditions affecting cost, progress or performance of the work and has made such independent investigations as the contract deems necessary.

The undersigned attaches hereto a bidder's bond in the sum of _____Dollars ($_____) as required in the Instructions to Bidders, and the undersigned agrees that, in case he shall fail to fulfill

his obligations under the foregoing Proposal and agreement, the City may, at its option, determine that the undersigned has abandoned his rights and interests in such Proposal and that the certified check or bidder's bond accompanying his proposal has been forfeited to the City; but otherwise, the Certified check or bidder's bond shall be returned to the undersigned upon the rejection of his Proposal.

Disclosure: Asphalt, concrete or other material(s) requiring removal from the job site will be disposed of at: _____

(address of disposal site*)

Name & Address of _____
Disposal Site Owner_____

*Attach separate sheet(s) for multiple disposal sites.

2011 Local Street Paving Program

ITEM NO.	PAY ITEM	UNITS	EST. QTY	UNIT PRICE	TOTAL PRICE
	Dakota (Milham to W. Van Hoesen)				
1	HMA, 13A, (165 #/SYD)	TON	200	$_____	$_____
2	Cold Mill HMA Surface (1.5 inches curb reveal)	SYD	180	$_____	$_____
3	Manhole Adjust (Type M-7 Solid)	EA	1	$_____	$_____
4	Sidewalk 4 " Remove & Replace	SFT	72	$_____	$_____
	Dakota & Van Hoesen, SW Corner (9) Dakota & Van Hoesen, SE Corner (9)		36 36		
5	Sidewalk Ramps, ADA	SFT	96	$_____	$_____
	Dakota & Van Hoesen, SW Corner (6x8) Dakota & Van Hoesen, SE Corner (8x6)		48 48		
6	Cast Iron Warning Plate (2'x2', Black, EJIW 7005)	EA	7	$_____	$_____
	Dakota & Van Hoesen, SW Corner Dakota & Van Hoesen, SE Corner		3 4		
7	Restoration	SYD	299	$_____	$_____
8	21AA Driveway Gravel	CYD	8	$_____	$_____

ITEM NO.	PAY ITEM	UNITS	EST. QTY	UNIT PRICE	TOTAL PRICE
9	24” Stop Bar, Inlay Cold Plastic	FT	15	$_____	$_____
	Dakota & Van Hoesen		15		
10	12" X-Walk, Inlay Cold Plastic	FT	65	$_____	$_____
	Dakota & Van Hoesen		65		
11	Relocate Mailboxes (5923, 5928, 5919, 5907, 5903, 5904)	EA	6	$_____	$_____
	TOTAL: Dakota (Milham to W. Van Hoesen)				$_____
	Bender (Portage to west end)				
1	HMA, 13A, (165 #/SYD)	TON	314	$_____	$_____
2	Cold Mill HMA Surface (1.5 inches curb reveal)	SYD	87	$_____	$_____
3	Manhole Adjust (Type M-7 Solid)	EA	3	$_____	$_____
4	Restoration	SYD	506	$_____	$_____
5	21AA Driveway Gravel	CYD	7	$_____	$_____
6	White Stone (2112 Bender)	CYD	1	$_____	$_____
7	22A Stabilized Gravel (cul-de-sac)	CYD	10	$_____	$_____
8	24” Stop Bar, Inlay Cold Plastic	FT	14	$_____	$_____
9	Relocate Mailboxes (2423, 2327, 2319, 2311, 2305, 2229, 2120, 2304, 2318, 2344, 2388)	EA	11	$_____	$_____
	TOTAL: Bender (Portage to west end)				$_____
	Byrd (Portage to west end)				
1	HMA, 13A, (165 #/SYD)	TON	907	$_____	$_____
2	Cold Mill HMA Surface (1.5 inches curb reveal)	SYD	229	$_____	$_____
3	Manhole Adjust (Type M-7 Solid)	EA	6	$_____	$_____
4	Curb & Gutter Remove & Replace	FT	95	$_____	$_____

ITEM NO.	PAY ITEM	UNITS	EST. QTY	UNIT PRICE	TOTAL PRICE
	Byrd & Portage SW Corner Byrd & Portage NW Corner Byrd & Portage Gutter Pan		40 35 20		
5	Restoration	SYD	1380	$_____	$_____
6	21AA Driveway Gravel	CYD	32	$_____	$_____
7	6A Washed (3/8"- 1" at 2228 Byrd)	CYD	1	$_____	$_____
8	Peastone (1/4" or smaller @ 2319 Byrd)	CYD	1	$_____	$_____
9	24” Stop Bar, Inlay Cold Plastic	FT	17	$_____	$_____
10	Relocate Mailboxes (2319, 2024, 1715)	EA	3	$_____	$_____
	TOTAL: Byrd (Portage to west end)				$_____
	Chamberlin (Byrd to Eckener)				
1	HMA, 13A, (165 #/SYD)	TON	82	$_____	$_____
2	Valley Gutter	FT	180	$_____	$_____
3	Restoration	SYD	92	$_____	$_____
4	21AA Driveway Gravel	CYD	2	$_____	$_____
	TOTAL: Chamberlin (Byrd to Eckener)				$_____
	Eckener (Chamberlin to west end)				
1	HMA, 13A, (165 #/SYD)	TON	535	$_____	$_____
2	Manhole Adjust (Type M-7 Solid)	EA	3	$_____	$_____
3	Restoration	SYD	1150	$_____	$_____
4	21AA Driveway Gravel	CYD	32	$_____	$_____
5	White Crushed Gravel (2128)	CYD	1	$_____	$_____
6	Relocate Mailbox (1914, 2008, 2011, 2012, 2117)	EA	5	$_____	$_____

ITEM NO.	PAY ITEM	UNITS	EST. QTY	UNIT PRICE	TOTAL PRICE
	TOTAL: Eckener (Chamberlin to west end)				$_____
	Bennett (Eckener to Byrd)				
1	HMA, 13A, (165 #/SYD)	TON	89	$_____	$_____
2	Restoration	SYD	92	$_____	$_____
3	21AA Driveway Gravel	CYD	1	$_____	$_____
	TOTAL: Bennett (Eckener to Byrd)				$_____
	Newells (Centre to Forest)				
1	HMA, 13A, (165 #/SYD)	TON	949	$_____	$_____
2	Cold Mill HMA Surface (1.5 inches curb reveal)	SYD	661	$_____	$_____
3	Manhole Adjust (Type M-7 Solid)	EA	12	$_____	$_____
4	Water Valve Adjust	EA	4	$_____	$_____
5	Restoration	SYD	1080	$_____	$_____
6	21AA Driveway Gravel	CYD	16	$_____	$_____
7	24” Stop Bar, Inlay Cold Plastic	FT	127	$_____	$_____
	Newells & Centre		17		
	Newells & Applecroft		21		
	Newells & Plumtree		19		
	Newells & Forest		15		
	Newells & Apple		15		
	Newells & Properity		14		
	Newells & Pleasant		26		
8	12" X-Walk, Inlay Cold Plastic	FT	132	$_____	$_____
	Newells & Centre		82		
	Newells & Forest		50		
9	Relocate Mailboxes (8147, 8430)	EA	2	$_____	$_____
	TOTAL: Newells (Centre to Forest)				$_____

ITEM NO.	PAY ITEM	UNITS	EST. QTY	UNIT PRICE	TOTAL PRICE
	Arborcrest (Schuring to north end)				
1	HMA, 13A, (165 #/SYD)	TON	153	$_____	$_____
2	Cold Mill HMA Surface (1.5 inches curb reveal)	SYD	1135	$_____	$_____
3	Manhole Adjust (Type M-7 Solid)	EA	4	$_____	$_____
4	Water Valve Adjust	EA	1	$_____	$_____
5	Curb & Gutter Remove & Replace	FT	341	$_____	$_____
	Schuring & Arborcrest, NE Corner		58		
	7480 Arborcrest (across from)		36		
	7441 Arborcrest		51		
	7427 Arborcrest		30		
	7415 Arborcrest		21		
	7404 Arborcrest		46		
	7410 Arborcrest		99		
6	Sidewalk 4 " Remove & Replace	SFT	174	$_____	$_____
	Schuring & Arborcrest, NE Corner (10)		40		
	Schuring & Arborcrest, NW Corner (10x5)		50		
	7441 Arborcrest (21)		84		
7	Sidewalk Ramps, ADA	SFT	302	$_____	$_____
	Schuring & Arborcrest, NE Corner (19x14)		266		
	Schuring & Arborcrest, NW Corner (6x6)		36		
8	Cast Iron Warning Plate (2'x2', Black, EJIW 7005)	EA	11	$_____	$_____
	Schuring & Arborcrest, NE Corner		8		
	Schuring & Arborcrest, NW Corner		3		
9	24” Stop Bar, Inlay Cold Plastic	FT	16	$_____	$_____
	Schuring & Arborcrest		16		
10	12" X-Walk, Inlay Cold Plastic	FT	81	$_____	$_____
	Schuring & Arborcrest		81		

ITEM NO.	PAY ITEM	UNITS	EST. QTY	UNIT PRICE	TOTAL PRICE
	TOTAL: Arborcrest (Schuring to north end)				$_____
	Redstock (Arborcrest to Rockford)				
1	HMA, 13A, (165 #/SYD)	TON	347	$_____	$_____
2	Cold Mill HMA Surface (1.5 inches curb reveal)	SYD	1691	$_____	$_____
3	Manhole Adjust (Type M-7 Solid)	EA	6	$_____	$_____
4	Curb & Gutter Remove & Replace	FT	329	$_____	$_____
	1380 Redstock		21		
	1380 Redstock		31		
	1432 Redstock		22		
	1458 Redstock		33		
	1461 Redstock ((19+14)		33		
	1437 Redstock		41		
	1411 Redstock		51		
	Redstock & Rockford, NE Corner		44		
	Redstock & Rockford, SE Corner		53		
5	Sidewalk 4 " Remove & Replace	SFT	340	$_____	$_____
	Redstock & Arborcrest, NW Corner (14x4)		56		
	Redstock & Rockford, NE Corner (19+6)x4		100		
	Redstock & Rockford, SE Corner (24+12)x4		144		
	1506 Redstock (10x4)		40		
6	Sidewalk Ramps, ADA	SFT	304	$_____	$_____
	Redstock & Arborcrest, NW Corner (7x8)		56		
	Redstock & Rockford, NE Corner (8x10) (8x5)		120		
	Redstock & Rockford, SE Corner (8x10) (8x6)		128		
7	Cast Iron Warning Plate (2'x2', Black, EJIW 7005)	EA	15	$_____	$_____
	Redstock & Arborcrest, NW Corner		3		
	Redstock & Rockford, NE Corner		6		
	Redstock & Rockford, SE Corner		6		
8	12" X-Walk, Inlay Cold Plastic	FT	77	$_____	$_____
	Redstock & Rockford		77		

ITEM NO.	PAY ITEM	UNITS	EST. QTY	UNIT PRICE	TOTAL PRICE
	TOTAL: Redstock (Arborcrest to Rockford)				$_____
	Marfield (Redstock to Woodland)				
1	HMA, 13A, (165 #/SYD)	TON	352	$_____	$_____
2	Cold Mill HMA Surface (1.5 inches curb reveal)	SYD	1864	$_____	$_____
3	Manhole Adjust (Type M-7 Solid)	EA	9	$_____	$_____
4	Water Valve Adjust	EA	3	$_____	$_____
5	Curb & Gutter Remove & Replace	FT	425	$_____	$_____
	Marfield & Redstock, NE Corner		65		
	Marfield & Redstock, NW Corner		64		
	Marfield & Snowberry SE Corner		54		
	Marfield & Snowberry NE Corner		40		
	Marfield & Woodland, SE Corner		86		
	Marfield & Woodland, SW Corner		49		
	7115 Marfield		15		
	7348 Marfield		20		
	7378 Marfield		32		
6	Drainage Structure Cover, Adjust, Case 1	EA	2	$_____	$_____
	Marfield & Woodland, SE Corner		1		
	Marfield & Woodland, SW Corner		1		
7	Drainage Structure Cover, EJIW #7010 w/ type M4 Vane Grate	LB	670	$_____	$_____
	Marfield & Woodland, SE Corner		335		
	Marfield & Woodland, SW Corner		335		
8	Sidewalk 4 " Remove & Replace	SFT	392	$_____	$_____
	Marfield & Redstock, NE Corner (28)		112		
	Marfield & Redstock, NW Corner (20)		80		
	Marfield & Snowberry SE Corner (12)		48		
	Marfield & Snowberry NE Corner (10)		40		
	Marfield & Woodland, SE Corner (19)		76		
	Marfield & Woodland, SW Corner (9)		36		
9	Sidewalk 4 " Remove & No Replace	SFT	44		
	Marfield & Woodland, SE Corner (11)	SFT	44		

ITEM NO.	PAY ITEM	UNITS	EST. QTY	UNIT PRICE	TOTAL PRICE
10	Sidewalk Ramps, ADA	SFT	422	$_____	$_____
	Marfield & Redstock, NE Corner (10'x11')		110		
	Marfield & Redstock, NW Corner (6'x8')		48		
	Marfield & Snowberry SE Corner (8'x8')		64		
	Marfield & Snowberry NE Corner (10'x11')		110		
	Marfield & Woodland, SE Corner (8'x6')		48		
	Marfield & Woodland, SW Corner (7'x6')		42		
11	Cast Iron Warning Plate (2'x2', Black, EJIW 7005)	EA	25	$_____	$_____
	Marfield & Redstock, NE Corner		5		
	Marfield & Redstock, NW Corner		4		
	Marfield & Snowberry SE Corner		4		
	Marfield & Snowberry NE Corner		5		
	Marfield & Woodland, SE Corner		4		
	Marfield & Woodland, SW Corner		3		
12	Restoration	SYD	44	$_____	$_____
	Marfield & Woodland, SE Corner (11x4)	SYD	44		
13	24” Stop Bar, Inlay Cold Plastic	FT	36	$_____	$_____
	Marfield & Redstock		15		
	Marfield & Woodland		21		
14	12" X-Walk, Inlay Cold Plastic	FT	169	$_____	$_____
	Marfield & Redstock		89		
	Marfield & Woodland		80		
	TOTAL: Marfield (Redstock to Woodland)				$_____
	Eagle Harbor (Newhaven to Old Mission)				
1	HMA, 13A, (165 #/SYD)	TON	487	$_____	$_____
2	Cold Mill HMA Surface (1.5 inches curb reveal)	SYD	2929	$_____	$_____
3	Manhole Adjust (Type M-7 Solid)	EA	6	$_____	$_____
4	Curb & Gutter Remove & Replace	FT	162	$_____	$_____

ITEM NO.	PAY ITEM	UNITS	EST. QTY	UNIT PRICE	TOTAL PRICE
	Eagle Harbor & New Haven, NW Corner		46		
	Eagle Harbor & Old Mission, NE Corner		33		
	Eagle Harbor & Old Mission, SE Corner		38		
	Eagle Harbor & Tradewind, SE Corner		21		
	Eagle Harbor & Heverly, SW Corner		12		
	2616 Eagle Harbor (across from this address)		12		
5	Drainage Structure Cover, Adjust, Case 1	EA	2	$_____	$_____
	Eagle Harbor & Old Mission, NE Corner		1		
	Eagle Harbor & Old Mission, SE Corner		1		
6	Drainage Structure Cover, EJIW #7010 w/ type M4 Vane Grate	LB	670	$_____	$_____
	Eagle Harbor & Old Mission, NE Corner		335		
	Eagle Harbor & Old Mission, SE Corner		335		
7	Sidewalk 4 " Remove & Replace	SFT	380	$_____	$_____
	2796 Eagle Harbor (16)		64		
	Eagle Harbor & Newhaven, NW Corner (21+21)		168		
	Eagle Harbor & Newhaven, SW Corner (13)		52		
	Eagle Harbor & Springridge, SW Corner (16)		64		
	Eagle Harbor & W. Heverly, SW Corner (8)		32		
8	Sidewalk Ramps, ADA	SFT	803	$_____	$_____
	Eagle Harbor & Newhaven, NW Corner (9x7)		63		
	Eagle Harbor & Newhaven, SW Corner (8x7)		56		
	Eagle Harbor & Springridge, SW Corner (11x8)		88		
	Eagle Harbor & Hedgewood, NE Corner (12x10)		120		
	Eagle Harbor & Hedgewood, NW Corner (10x10)		100		
	Eagle Harbor & W. Heverly, SW Corner (9x9)		81		
	Eagle Harbor & Tradewind, NE Corner (11x9)		99		
	Eagle Harbor & Tradewind, NW Corner (R=13)		132		
	Eagle Harbor & Tradewind, SW Corner (R=9)		64		
9	Cast Iron Warning Plate (2'x2', Black, EJIW 7005)	EA	49	$_____	$_____
	Eagle Harbor & Newhaven, NW Corner		4		
	Eagle Harbor & Newhaven, SW Corner		4		

ITEM NO.	PAY ITEM	UNITS	EST. QTY	UNIT PRICE	TOTAL PRICE
	Eagle Harbor & Springridge, SW Corner		5		
	Eagle Harbor & Hedgewood, NE Corner		6		
	Eagle Harbor & Hedgewood, NW Corner		5		
	Eagle Harbor & W. Heverly, SW Corner		4		
	Eagle Harbor & Tradewind, NE Corner		5		
	Eagle Harbor & Tradewind, NW Corner		10		
	Eagle Harbor & Tradewind, SW Corner		6		
10	24” Stop Bar, Inlay Cold Plastic	FT	17	$_____	$_____
	Eagle Harbor & Newhaven		17		
11	12" X-Walk, Inlay Cold Plastic	FT	79	$_____	$_____
	Eagle Harbor & Newhaven		79		
	TOTAL: Eagle Harbor (New Haven to Old Mission)				$_____
	W. Heverly (Eagle Harbor to Tradewind)				
1	HMA, 13A, (165 #/SYD)	TON	408	$_____	$_____
2	Cold Mill HMA Surface (1.5 inches curb reveal)	SYD	2610	$_____	$_____
3	Manhole Adjust (Type M-7 Solid)	EA	6	$_____	$_____
4	Water Valve Adjust	EA	1	$_____	$_____
5	Curb & Gutter Remove & Replace	FT	63	$_____	$_____
	5640 W. Heverly		12		
	5690 W. Heverly		12		
	5786 W. Heverly		39		
6	Sidewalk 4 " Remove & Replace	SFT	60	$_____	$_____
	5690 W. Heverly (15)		60		
	TOTAL: Eagle Harbor (New Haven to Old Mission)				$_____
	Tradewind (W. Heverly to Beacon Harbor)				

ITEM NO.	PAY ITEM	UNITS	EST. QTY	UNIT PRICE	TOTAL PRICE
1	HMA, 13A, (165 #/SYD)	TON	131	$_____	$_____
2	Cold Mill HMA Surface (1.5 inches curb reveal)	SYD	671	$_____	$_____
3	Manhole Adjust (Type M-7 Solid)	EA	2	$_____	$_____
4	Curb & Gutter Remove & Replace	FT	11	$_____	$_____
	5761 Tradewind (across from)		11		
	TOTAL: Tradewind (W. Heverly to Beacon Harbor)				$_____
	Beacon Harbor (Tradewind to Old Mission)				
1	HMA, 13A, (165 #/SYD)	TON	149	$_____	$_____
2	Cold Mill HMA Surface (1.5 inches curb reveal)	SYD	723	$_____	$_____
3	Sidewalk 4 " Remove & Replace	SFT	104	$_____	$_____
	Beacon Harbor, NW Corner (17+9=26)		104		
4	Sidewalk Ramps, ADA	SFT	150	$_____	$_____
	Beacon Harbor, NW Corner (8x10) (10x7)		150		
5	Cast Iron Warning Plate (2'x2', Black, EJIW 7005)	EA	9	$_____	$_____
	Beacon Harbor, NW Corner (4+5)		9		
	TOTAL: Beacon Harbor (Tradewind to Old Mission)				$_____
	Old Mission (Milham to Beacon Harbor)				
1	HMA, 13A, (165 #/SYD)	TON	517	$_____	$_____
2	Cold Mill HMA Surface (1.5 inches curb reveal)	SYD	2376	$_____	$_____
3	Manhole Adjust (Type M-7 Solid)	EA	5	$_____	$_____
4	Water Valve Adjust	EA	1	$_____	$_____

ITEM NO.	PAY ITEM	UNITS	EST. QTY	UNIT PRICE	TOTAL PRICE
5	Curb & Gutter Remove & Replace	FT	503	$_____	$_____
	Old Mission & French Bay (10+22)		32		
	Old Mission & French Bay, NW Corner		39		
	5865 Old Mission		42		
	5801 Old Mission		32		
	5788 Old Mission		54		
	5806 Old Mission		43		
	5860 Old Mission		20		
	5876 Old Mission		31		
	5892 Old Mission		31		
	Old Mission & Beacon Harbor, NW Corner		54		
	Old Mission & Beacon Harbor, SW Corner		57		
	Old Mission & Beacon Harbor, SE Corner		68		
6	Sidewalk 4 " Remove & Replace	SFT	288	$_____	$_____
	Old Mission & French Bay, SW Corner (35)		140		
	Old Mission & French Bay, NW Corner (11)		44		
	Old Mission & Beacon Harbor, NW Corner, (11+10)		84		
	Old Mission & Beacon Harbor, NE Corner, (5)		20		
7	Sidewalk Ramps, ADA	SFT	407	$_____	$_____
	Old Mission & French Bay, SW Corner (9x11)		99		
	Old Mission & French Bay, NW Corner (9x9)		81		
	Old Mission & Beacon Harbor, SW Corner, (8x7)		56		
	Old Mission & Beacon Harbor, NW Corner, (6x9), (7x9)		117		
	Old Mission & Beacon Harbor, NE Corner, (6x9)		54		
8	Cast Iron Warning Plate (2'x2', Black, EJIW 7005)	EA	18	$_____	$_____
	Old Mission & French Bay, SW Corner		4		
	Old Mission & French Bay, NW Corner		4		
	Old Mission & Beacon Harbor, SW Corner		4		
	Old Mission & Beacon Harbor, NW Corner		3		
	Old Mission & Beacon Harbor, NE Corner		3		
9	24” Stop Bar, Inlay Cold Plastic	FT	17	$_____	$_____
	Old Mission & Beacon Harbor, West Side		17		
10	12" X-Walk, Inlay Cold Plastic	FT	76	$_____	$_____
	Old Mission & Beacon Harbor, West Side		76		

ITEM NO.	PAY ITEM	UNITS	EST. QTY	UNIT PRICE	TOTAL PRICE
	TOTAL: Old Mision (Milham to Beacon Harbor)				$_____

2011 Street Mill & Fill Quantities & Prices

Streets – Mill & Fill

ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	TOTAL PRICE
1	Remove/Replace w/165 # SYD w/MDOT 13A Mod HMA (See Table 1)	TON	2,996	$_____	$_____
2	Cold Mill HMA Surface (1.5 inches)	SYD	7,532	$_____	$_____
3	4” White Skip, Waterborne	FT	335	$_____	$_____
4	4” While Solid, Waterborne	FT	10,617	$_____	$_____
5	12” White Solid, Waterborne	FT	35	$_____	$_____
6	4” Yellow Double, Waterborne	FT	4,629	$_____	$_____
7	4” Yellow Solid/Skip, Waterborne	FT	430	$_____	$_____
8	4” Yellow Skip, Waterborne	FT	738	$_____	$_____
9	4” Yellow Solid, Waterborne	FT	10	$_____	$_____
10	Combination Arrow, Inlay Cold Plastic	EA	1	$_____	$_____
11	Left Turn Arrow, Inlay Cold Plastic	EA	1	$_____	$_____
12	Right Turn Arrow, Inlay Cold Plastic	EA	1	$_____	$_____
13	Only Symbol, Inlay Cold Plastic	EA	2	$_____	$_____
14	Bike Symbol & Arrow, Inlay Cold Plastic	EA	1	$_____	$_____
15	24” Stop Bar, Waterborne, White	FT	86	$_____	$_____
16	12” Cross Walk, Waterborne, White	FT	415	$_____	$_____
17	Railroad Crossing Symbol and Bars, Inlay Cold Plastic	EA	1	$_____	$_____
18	School Symbol, Inlay Cold Plastic	EA	1	$_____	$_____
19	Manhole Adjust (Type M-7 Solid)	EA	14	$_____	$_____
20	Water Valve Adjust	EA	1	$_____	$_____
21	Traffic Loop Replacement	EA	3	$_____	$_____
	Streets – Mill & Fill Total				$_____

The final traffic control plan shall be submitted to the City for final approval. All asphalt material testing to be completed by the Contractor. All testing data shall be supplied to the City by the Contractor upon completion of the project.

2011 Street Mill & Fill Locations & Quantities
Revised: 1-27-11

TABLE 1

Segment	Lane	L (FT)	W (FT)	HMA (Tons)	Milling L (FT)	Milling W (FT)	Milling (SYD)
4551-4573 Chasemoor Dr	East	118	10	13	118	10	131
4593-4611 Chasemoor Dr	East/West	133	33	49	133	33	488
5834 Angling (north of Milham)	North/South	220	31	76	62	7	48
5732 Angling (north of Milham)	North/South	40	31	14	62	7	48
5135-5260 Angling	North/South	945	32	338	64	7	50
Angling at Mullein	North	375	16	67	375	7	292
6638 - 6814 Angling	North/South	1160	30	389	60	7	47
Angling at Harley	North/South	150	34	57	218	7	170
7045-7103 Angling	North/South	120	32	43	64	7	50
7119-7129 Angling	North/South	200	33	74	66	7	51
7409-7430 Angling	North/South	352	32	126	64	7	50
Angling south of Centre (Parking lot to south)	North/South	600	34	228	68	7	53
6131-6149 Marlow	North/South	180	33	66	426	7	331
6345-6328 Marlow	North	245	17	47	245	17	463
6319-6305 Marlow	North/South	110	32	39	284	7	221
6213-6207 Marlow	North/South	93	32	33	250	7	194
6047 Marlow	North/South	50	32	18	164	7	128
6039 Marlow	North/South	47	32	17	158	7	123
6031 Marlow	North/South	45	32	16	154	7	120
6023 Marlow	North/South	65	32	23	194	7	151
1731 Edington	East	60	16	11	60	16	107
1713-1701 Edington	East/West	105	33	39	276	7	215
1427 Suffolk	East	110	16	20	110	16	196
Milham & Avon (on Avon)	North/South	100	32	36	100	32	356
5919 Monticello	North/South	370	35	145	70	7	54
5830 Westnedge (Wendy's)	South/Outer	206	12	28	206	12	275
6018 Westnedge (Fannie May)	South/inner & Outer	250	26	73	250	26	722
Mall & JC Penney	East/Inner & Outer	320	23	82	320	23	818
6901 Portage. Across from this address	South/Outer	65	12	9	65	12	87
6901 Portage. Across from this address	South/Inner	215	12	29	215	12	287
6901 Portage. Across from this address	South/Outer	48	12	6	48	12	64
10609 Portage	North	30	12	4	30	12	40
10922 Portage	South	200	12	27	115	12	153
224 W. Osterhout to Westnedge	East	480	16	86	480	16	853
1524-1608 E, Osterhout	East/West	115	34	44	68	7	53
4225-9265 Long Lake	East/West	1865	30	626	60	7	47

	Totals			2996			7532

2011 STREET PAVING PROGRAM TOTALS

TOTAL: Dakota (Milham to W. Van Hoesen) $_____

TOTAL: Bender (Portage to west end) $_____

TOTAL: Byrd (Portage to west end) $_____

TOTAL: Chamberlain (Byrd to Eckener) $_____

TOTAL: Eckener (Chamberlain to west end) $_____

TOTAL: Bennett (Eckener to Byrd) $_____

TOTAL: Newells (E. Centre to Forest) $_____

TOTAL: Arborcrest (Schuring to north end) $_____

TOTAL: Redstock (Arborcrest to Rockford) $_____

TOTAL: Marfield (Redstock to Woodland) $_____

TOTAL: Eagle Harbor (New Haven to Old Mission) $_____

TOTAL: W. Heverly (Eagle Harbor to Tradewind) $_____

TOTAL: Tradewind (W. Heverly to Beacon Harbor) $_____

TOTAL: Beacon Harbor (Tradewind to Old Mission) $_____

TOTAL: Old Mission (Milham to Beacon Harbor) $_____

TOTAL: Street Mill & Fill $_____

TOTAL: Traffic Control and Construction Signage (Lump Sum) $_____

STREET PAVING GRAND TOTAL: $ _____

BIDDER FIRM:_____ DATE:_____

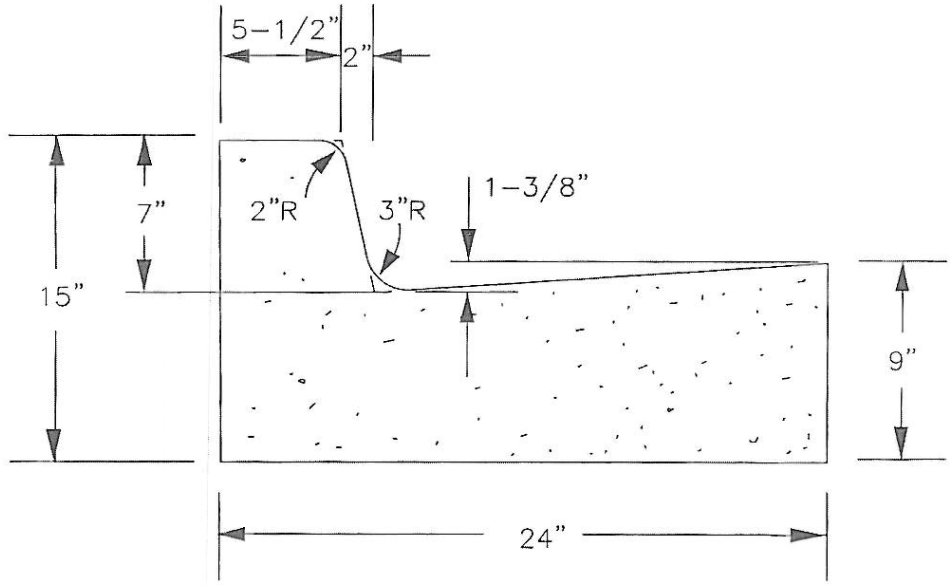
BY:_____ BY:_____
Signature Please Print

POSITION:_____

PHONE:_____FAX:_____

ADDRESS:_____

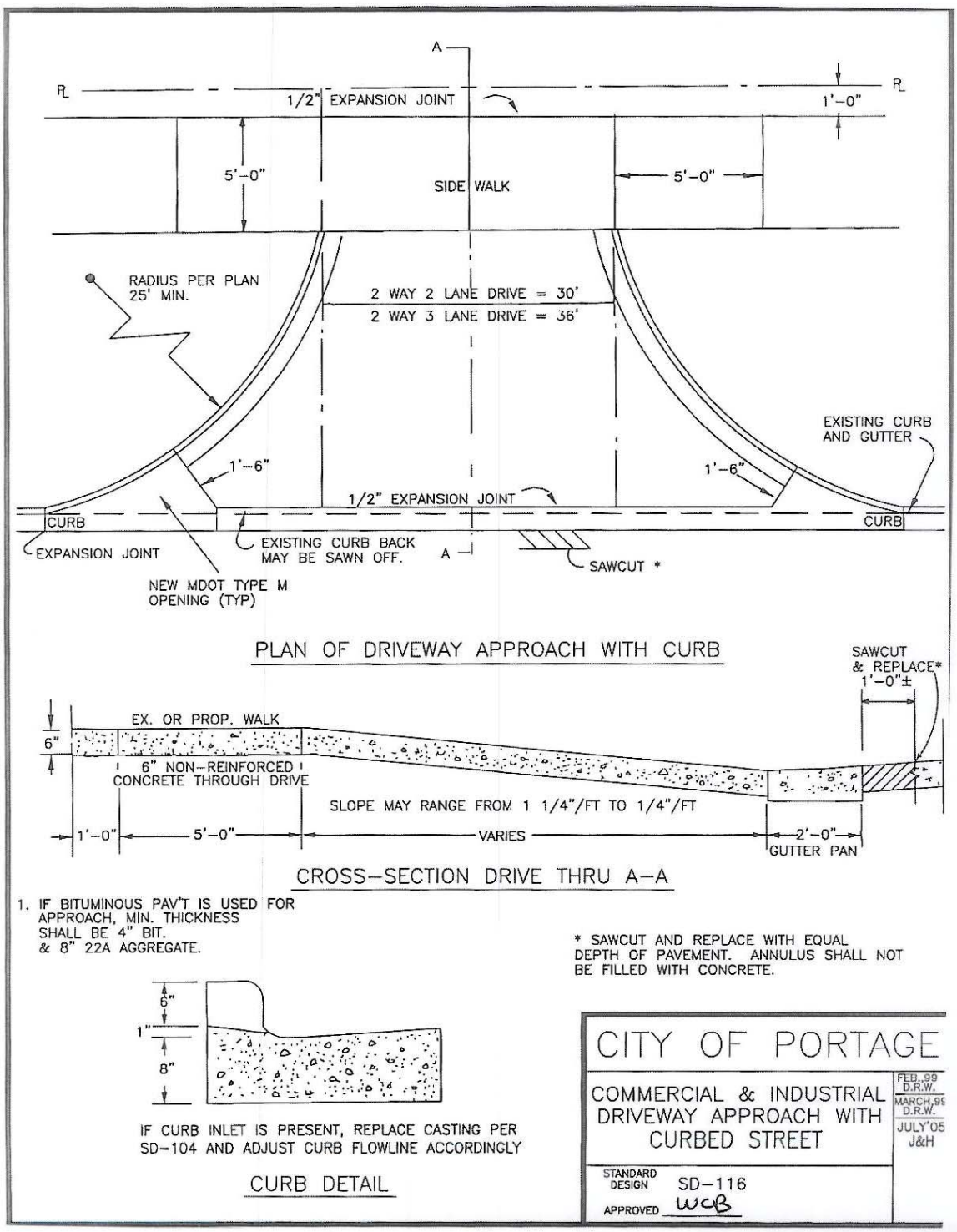
E-Mail Address:_____Website:_____

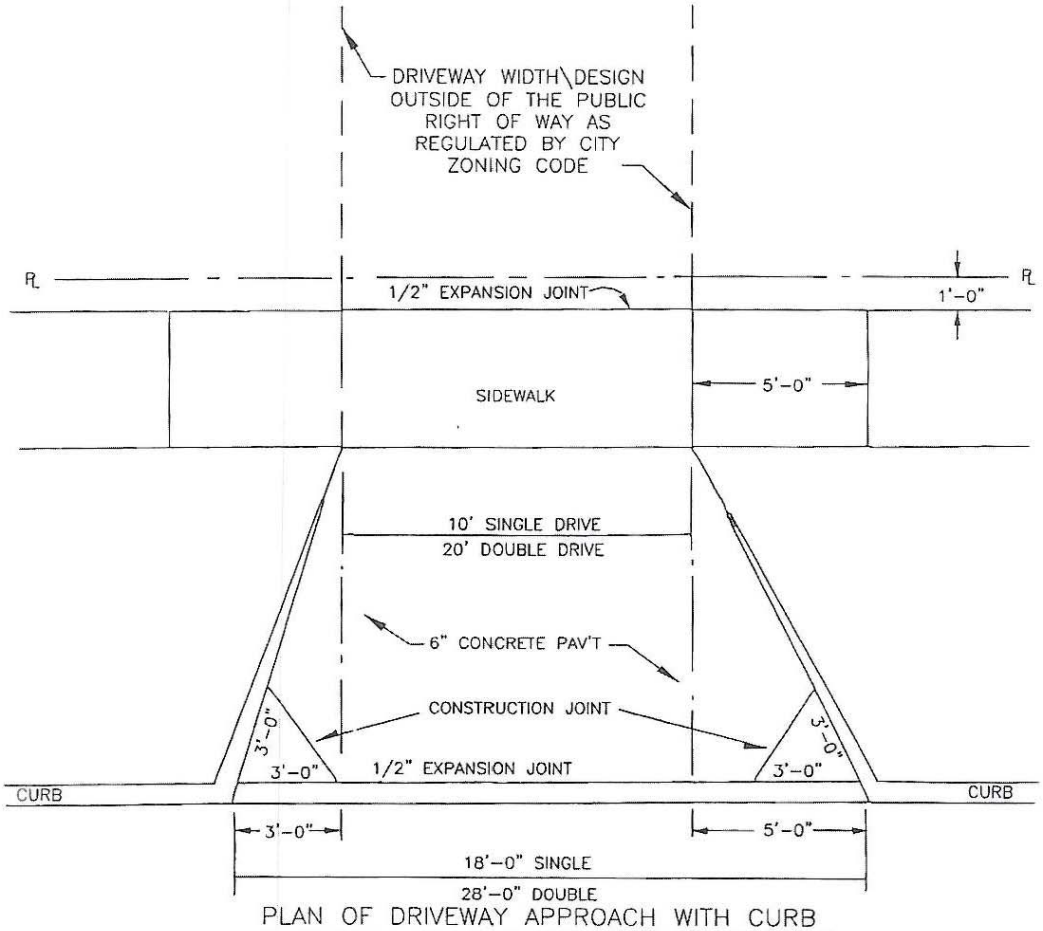


CURB DETAIL

STANDARD MDOT C-4 CURB WITHOUT REBAR

CITY OF PORTAGE	
STANDARD CURB	AUG.17,93 L.G.N. JULY'05 J&H
STANDARD DESIGN SD-113	
APPROVED WCB	


A
PL
1/2" EXPANSION JOINT
PL
1'-0"
5'-0"
SIDE WALK
5'-0"
RADIUS PER PLAN
25' MIN.
2 WAY 2 LANE DRIVE = 30'
2 WAY 3 LANE DRIVE = 36'
EXISTING CURB
AND GUTTER
1'-6"
1'-6"
1/2" EXPANSION JOINT
CURB
CURB
EXPANSION JOINT
EXISTING CURB BACK
MAY BE SAWN OFF.
A
SAWCUT *
NEW MDOT TYPE M
OPENING (TYP)
PLAN OF DRIVEWAY APPROACH WITH CURB
SAWCUT
& REPLACE*
1'-0"±
6"
EX. OR PROP. WALK
6" NON-REINFORCED
CONCRETE THROUGH DRIVE
SLOPE MAY RANGE FROM 1 1/4"/FT TO 1/4"/FT
1'-0"
5'-0"
VARIES
2'-0"
GUTTER PAN
CROSS-SECTION DRIVE THRU A-A
1. IF BITUMINOUS PAV'T IS USED FOR
APPROACH, MIN. THICKNESS
SHALL BE 4" BIT.
& 8" 22A AGGREGATE.
* SAWCUT AND REPLACE WITH EQUAL
DEPTH OF PAVEMENT. ANNULUS SHALL NOT
BE FILLED WITH CONCRETE.
6"
1"
8"
IF CURB INLET IS PRESENT, REPLACE CASTING PER
SD-104 AND ADJUST CURB FLOWLINE ACCORDINGLY
CURB DETAIL
CITY OF PORTAGE
COMMERCIAL & INDUSTRIAL
DRIVEWAY APPROACH WITH
CURBED STREET
FEB.,99
D.R.W.
MARCH,99
D.R.W.
JULY'05
J&H
STANDARD
DESIGN
SD-116
APPROVED
WCB



PLAN OF DRIVEWAY APPROACH WITH CURB

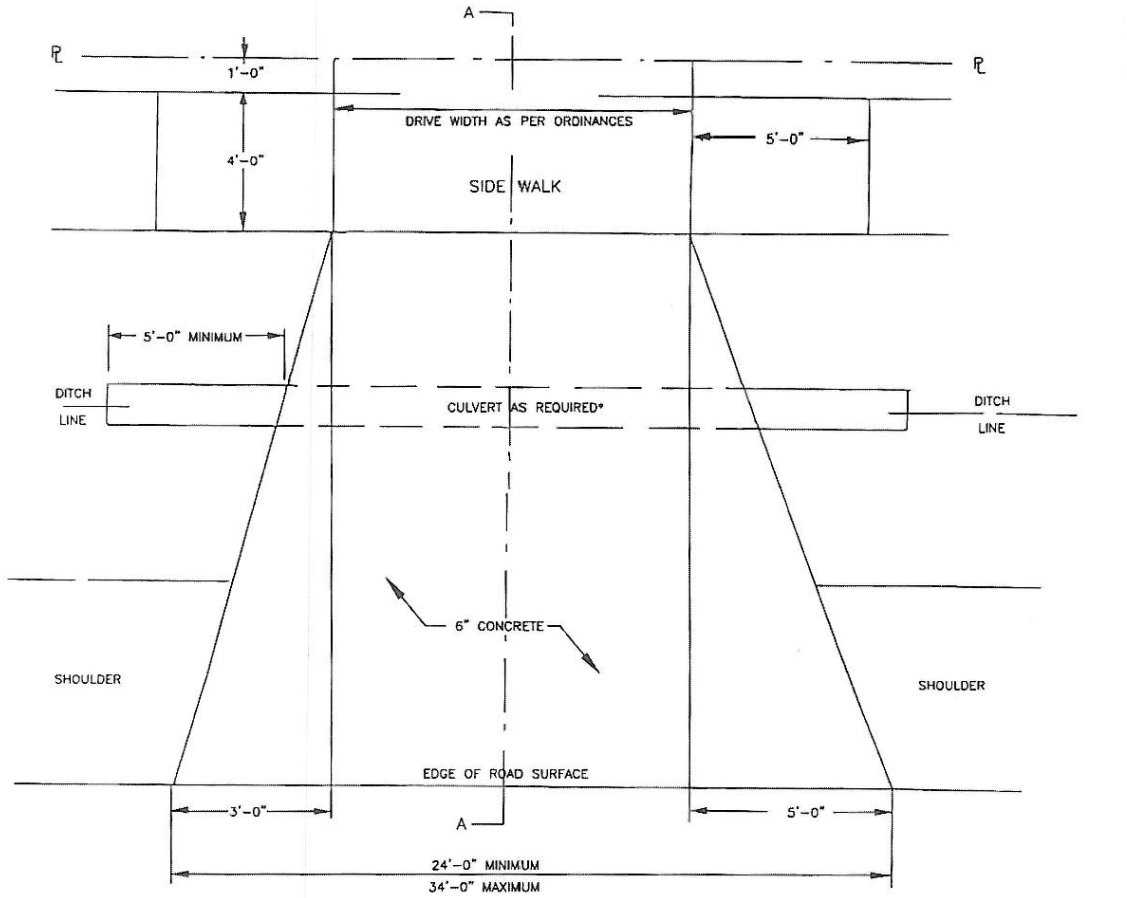
CITY OF PORTAGE

RESIDENTIAL DRIVEWAY APPROACH WITH CURBED STREET

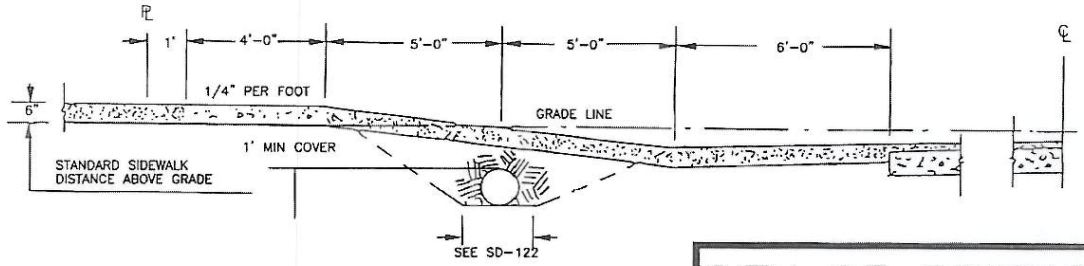
AUG.17,93 L.G.N.
NOV. '97 D.R.W.
NOV.25,97 D.R.W.
JULY'05 J&H
FEB '07 JMA

STANDARD DESIGN SD-117

APPROVED WCB



PLAN OF DRIVEWAY APPROACH WITHOUT CURB



CROSS SECTION DRIVE THRU A–A

* SIZE AND NECCESSITY OF CULVERT TO BE DETERMINED BY THE ENGINEER
* IF BITUMINOUS PVMT IS USED MIN THICKNESS SHALL BE 3" BIT & 6" 22A AGGREGATE

CITY OF PORTAGE

RESIDENTIAL DRIVEWAY APPROACH WITHOUT CURBED STREET

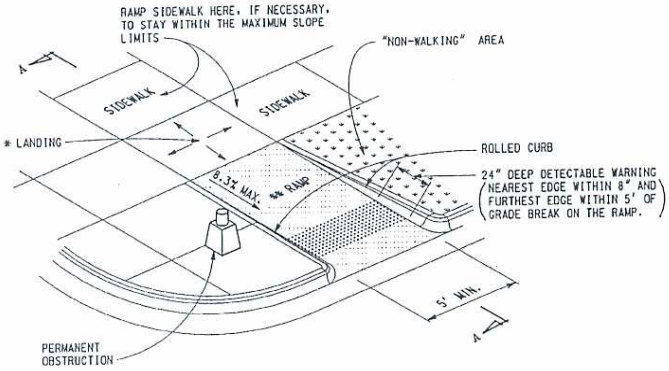
STANDARD DESIGN SD–118

APPROVED WCB

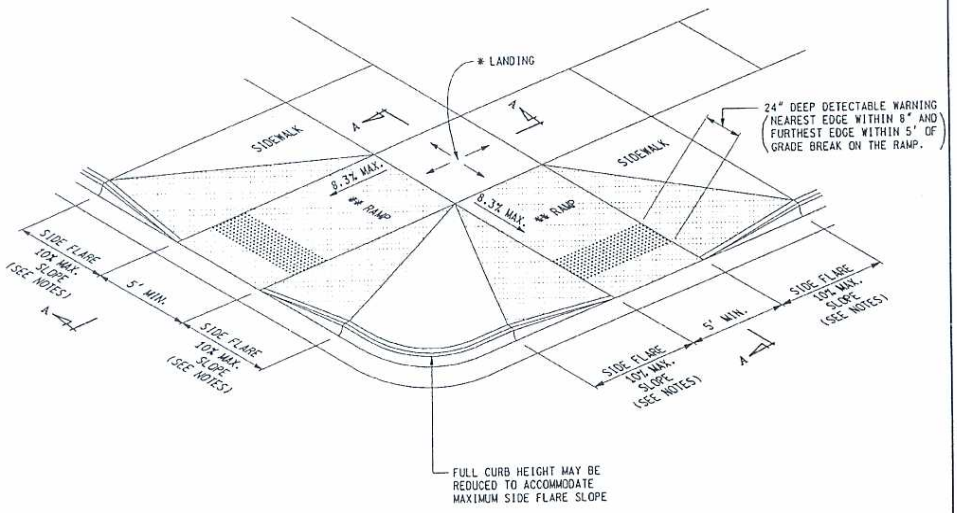
AUG.17,9. L.G.N.
AUG.07,9 drw(cad)
NOV. '97 drw(cad)
JULY'05 J&H
FEB '0 JMA

* MAXIMUM LANDING SLOPE IN ANY DIRECTION IS 2%.
MINIMUM LANDING DIMENSIONS 5' x 5'.

** MAXIMUM CROSS SLOPE ON RAMP IS THE SAME AS THAT FOR SIDEWALK (2%).



SIDEWALK RAMP TYPE R
(ROLLED SIDES)

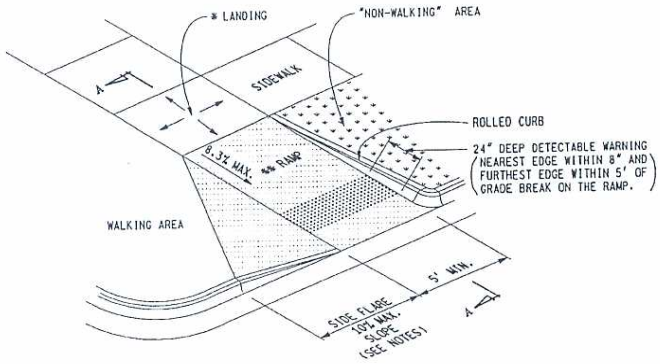


SIDEWALK RAMP TYPE F
(FLARED SIDES, TWO RAMPS SHOWN)

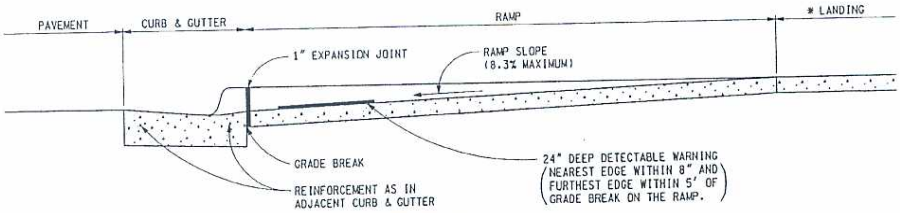
MDOT Michigan Department of Transportation PREPARED BY DESIGN DIVISION DRAWN BY: B.L.T. CHECKED BY: W.K.P.	DEPARTMENT DIRECTOR Kirk T. Steudle APPROVED BY: ENGINEER OF DELIVERY APPROVED BY: ENGINEER OF DEVELOPMENT	MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR SIDEWALK RAMP AND DETECTABLE WARNING DETAILS			
		F.H.W.A. APPROVAL	5-17-2007 PLAN DATE	R-28-F	SHEET 1 OF 7

* MAXIMUM LANDING SLOPE IN ANY DIRECTION IS 2%.
MINIMUM LANDING DIMENSIONS 5' x 5'.

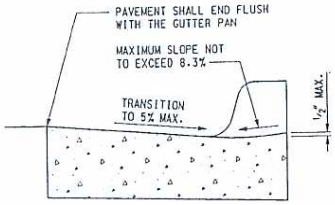
** MAXIMUM CROSS SLOPE ON RAMP IS THE SAME AS THAT FOR SIDEWALK (2%).



SIDEWALK RAMP TYPE RF
(ROLLED / FLARED SIDES)



SECTION A-A
(TYPICAL ALL RAMP DETAILS)

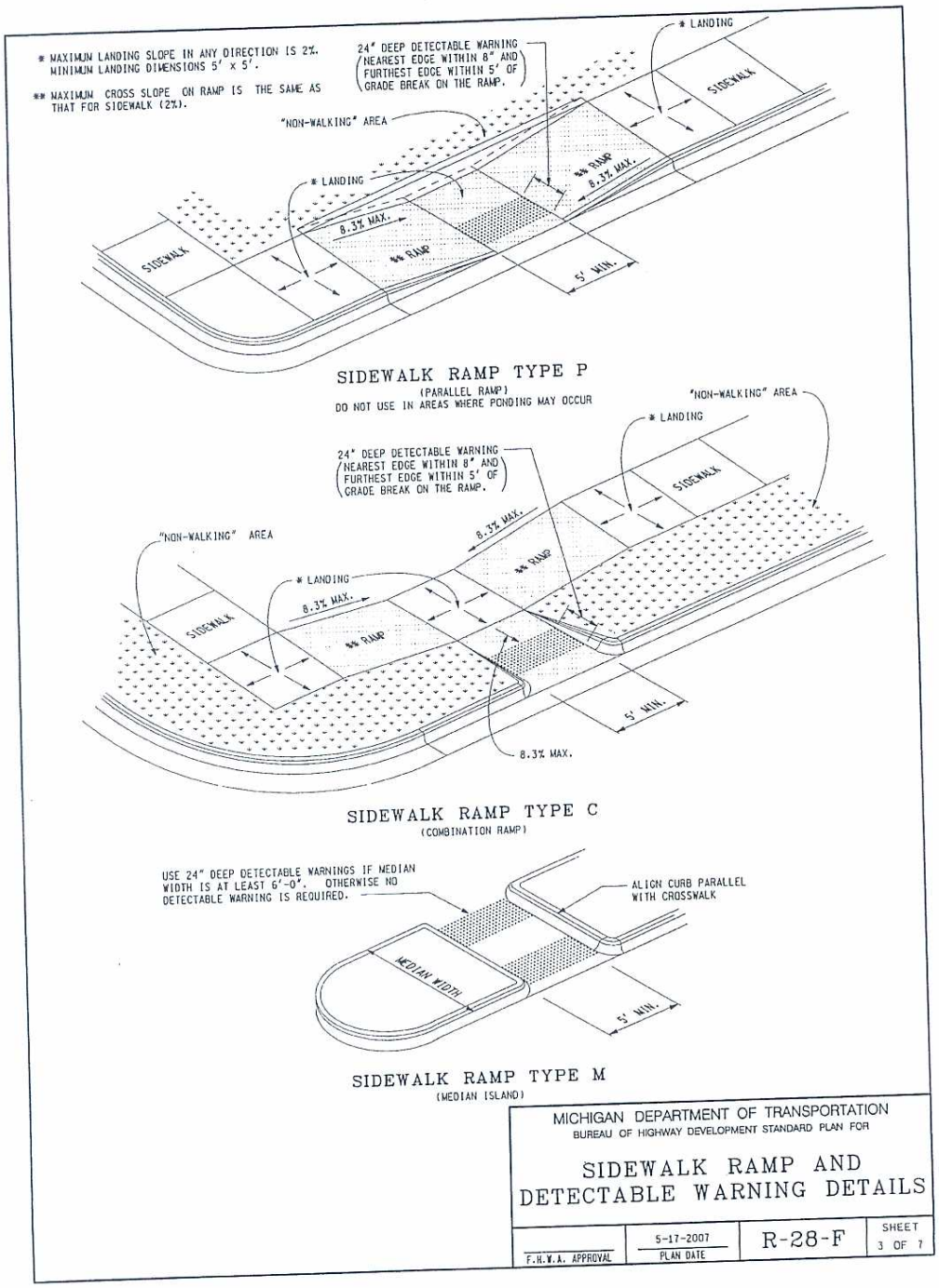


SECTION THROUGH CURB CUT
(TYPICAL ALL RAMP TYPES)

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SIDEWALK RAMP AND DETECTABLE WARNING DETAILS

F.H.W.A. APPROVAL	5-17-2007 PLAN DATE	R-28-F	SHEET 2 OF 7


* MAXIMUM LANDING SLOPE IN ANY DIRECTION IS 2%.
MINIMUM LANDING DIMENSIONS 5' x 5'.
** MAXIMUM CROSS SLOPE ON RAMP IS THE SAME AS THAT FOR SIDEWALK (2%).
24" DEEP DETECTABLE WARNING (NEAREST EDGE WITHIN 8" AND FURTHEST EDGE WITHIN 5' OF GRADE BREAK ON THE RAMP.)
* LANDING
SIDEWALK
"NON-WALKING" AREA
** RAMP
8.3% MAX.
5' MIN.
SIDEWALK RAMP TYPE P
(PARALLEL RAMP)
DO NOT USE IN AREAS WHERE PONDING MAY OCCUR
"NON-WALKING" AREA
* LANDING
24" DEEP DETECTABLE WARNING (NEAREST EDGE WITHIN 8" AND FURTHEST EDGE WITHIN 5' OF GRADE BREAK ON THE RAMP.)
SIDEWALK
8.3% MAX.
"NON-WALKING" AREA
** RAMP
* LANDING
8.3% MAX.
SIDEWALK
** RAMP
5' MIN.
8.3% MAX.
SIDEWALK RAMP TYPE C
(COMBINATION RAMP)
USE 24" DEEP DETECTABLE WARNINGS IF MEDIAN WIDTH IS AT LEAST 6'-0". OTHERWISE NO DETECTABLE WARNING IS REQUIRED.
ALIGN CURB PARALLEL WITH CROSSWALK
MEDIAN WIDTH
5' MIN.
SIDEWALK RAMP TYPE M
(MEDIAN ISLAND)
MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR
SIDEWALK RAMP AND DETECTABLE WARNING DETAILS
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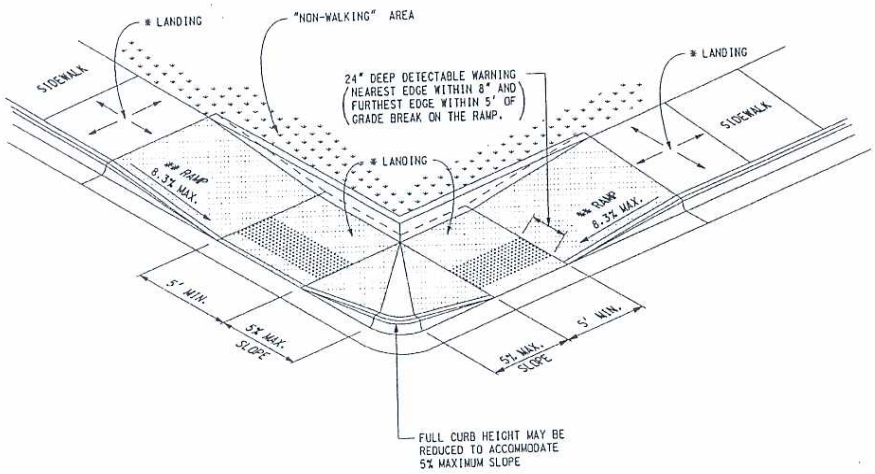
* MAXIMUM LANDING SLOPE IN ANY DIRECTION IS 2%.
MINIMUM LANDING DIMENSIONS 5' x 5'.

** MAXIMUM CROSS SLOPE ON RAMP IS THE SAME AS THAT FOR SIDEWALK (2%).

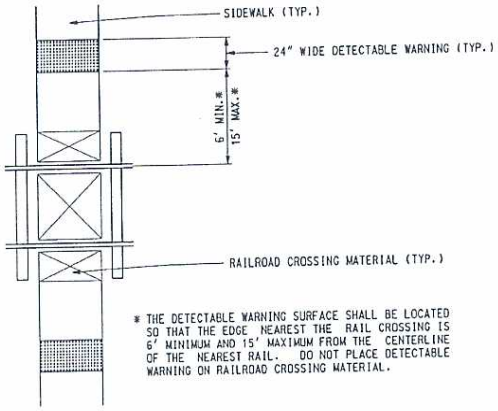


SIDEWALK RAMP TYPE PF
(PARALLEL WITH FLARE)

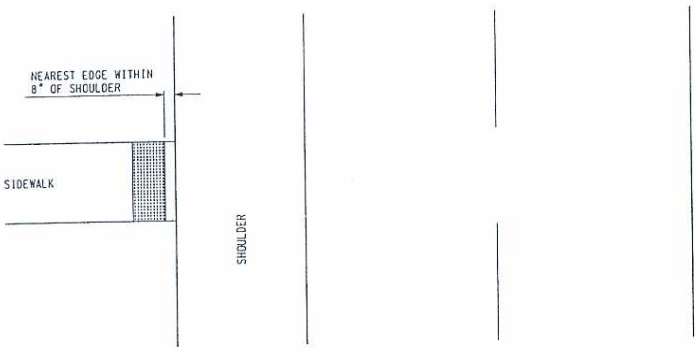
MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SIDEWALK RAMP AND DETECTABLE WARNING DETAILS

F.H.W.A. APPROVAL	5-17-2007 PLAN DATE	R-28-F	SHEET 4 OF 7



SIDEWALK RAMP TYPE RR
(DETECTABLE WARNING AT RAILROAD CROSSING)

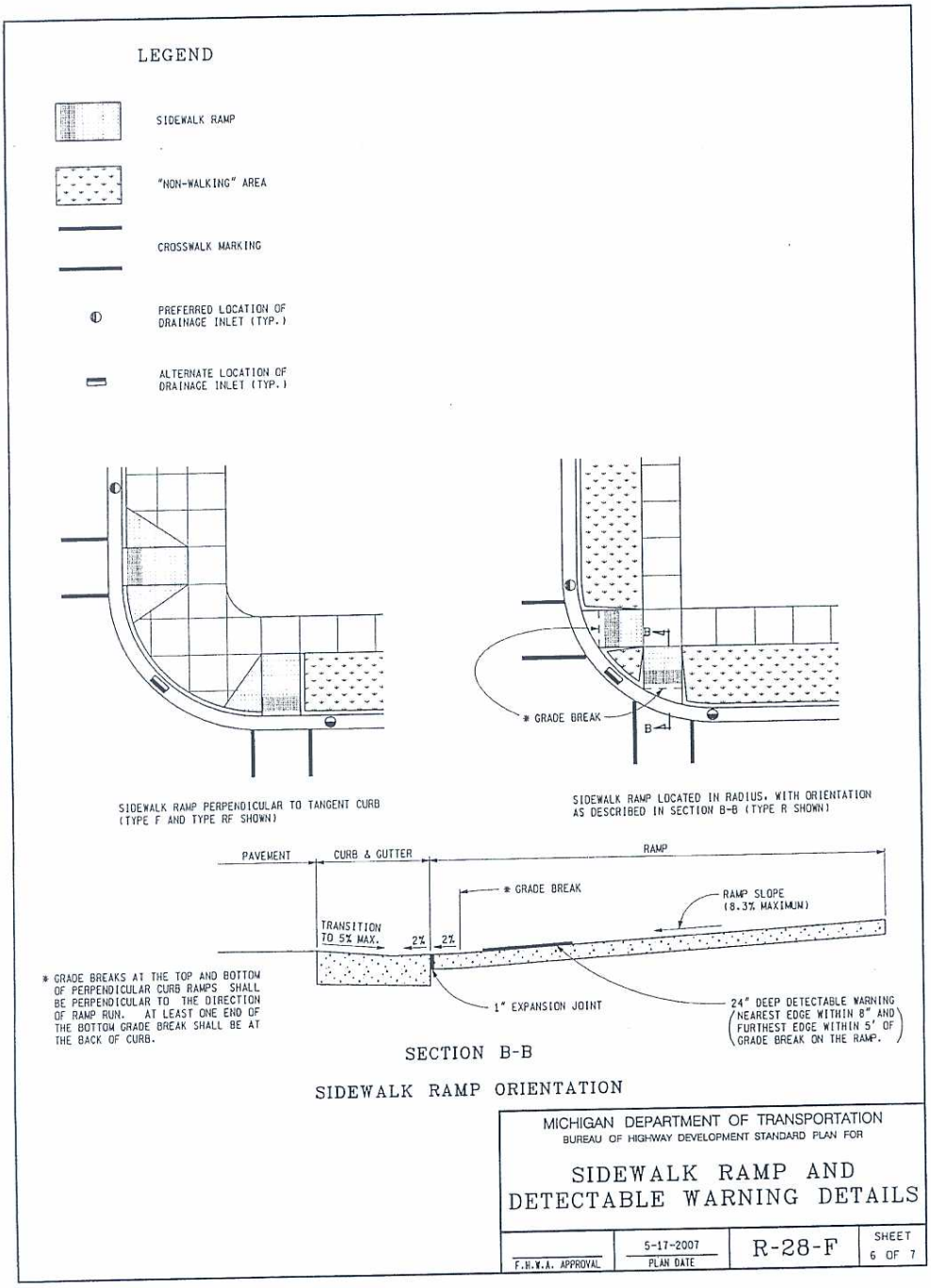


SIDEWALK RAMP TYPE FS
(DETECTABLE WARNING AT FLUSH SHOULDER)

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SIDEWALK RAMP AND DETECTABLE WARNING DETAILS

F.H.W.A. APPROVAL	5-17-2007 PLAN DATE	R-28-F	SHEET 5 OF 7


LEGEND
SIDEWALK RAMP
"NON-WALKING" AREA
CROSSWALK MARKING
PREFERRED LOCATION OF DRAINAGE INLET (TYP.)
ALTERNATE LOCATION OF DRAINAGE INLET (TYP.)
SIDEWALK RAMP PERPENDICULAR TO TANGENT CURB (TYPE F AND TYPE RF SHOWN)
* GRADE BREAK
SIDEWALK RAMP LOCATED IN RADIUS, WITH ORIENTATION AS DESCRIBED IN SECTION B-B (TYPE R SHOWN)
PAVEMENT
CURB & GUTTER
RAMP
* GRADE BREAK
RAMP SLOPE (8.3% MAXIMUM)
TRANSITION TO 5% MAX.
2%
2%
1" EXPANSION JOINT
24" DEEP DETECTABLE WARNING (NEAREST EDGE WITHIN 8" AND FURTHEST EDGE WITHIN 5' OF GRADE BREAK ON THE RAMP.)
* GRADE BREAKS AT THE TOP AND BOTTOM OF PERPENDICULAR CURB RAMPS SHALL BE PERPENDICULAR TO THE DIRECTION OF RAMP RUN. AT LEAST ONE END OF THE BOTTOM GRADE BREAK SHALL BE AT THE BACK OF CURB.
SECTION B-B
SIDEWALK RAMP ORIENTATION
MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR
SIDEWALK RAMP AND DETECTABLE WARNING DETAILS
F.H.W.A. APPROVAL
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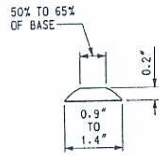
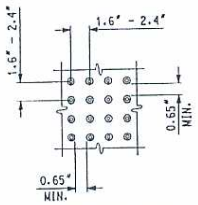
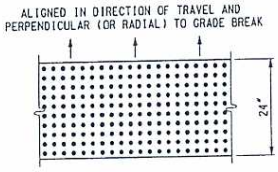


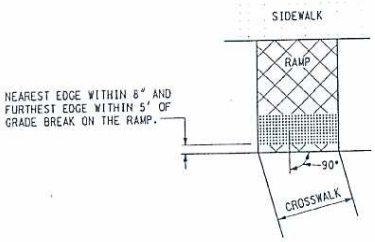
DOME SECTION



DOME SPACING



DOME ALIGNMENT



DETECTABLE WARNING DETAILS

NOTES:

DETAILS SPECIFIED ON THIS PLAN APPLY TO ALL CONSTRUCTION, RECONSTRUCTION, OR ALTERATION OF STREETS, CURBS, OR SIDEWALKS BY ALL PUBLIC AGENCIES AND BY ALL PRIVATE ORGANIZATIONS CONSTRUCTING FACILITIES FOR PUBLIC USE.

SIDEWALK RAMPS ARE TO BE LOCATED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

RAMPS SHALL BE PROVIDED AT ALL CORNERS OF AN INTERSECTION WHERE THERE IS EXISTING OR PROPOSED SIDEWALK AND CURB. RAMPS SHALL ALSO BE PROVIDED AT WALK LOCATIONS IN MID-BLOCK IN THE VICINITIES OF HOSPITALS, MEDICAL CENTERS, AND LARGE ATHLETIC FACILITIES.

SURFACE TEXTURE OF THE RAMP SHALL BE THAT OBTAINED BY A COARSE BROOMING, TRANSVERSE TO THE SLOPE OF RAMP.

SIDEWALK SHALL BE RAMPED WHERE THE DRIVEWAY CURB IS EXTENDED ACROSS THE WALK.

CARE SHALL BE TAKEN TO ASSURE A UNIFORM GRADE ON THE RAMP, FREE OF SAGS AND SHORT GRADE CHANGES. WHERE CONDITIONS PERMIT, IT IS DESIRABLE THAT THE SLOPE OF THE RAMP BE IN ONLY ONE DIRECTION, PARALLEL TO THE DIRECTION OF TRAVEL.

RAMP WIDTH SHALL BE INCREASED, IF NECESSARY, TO ACCOMMODATE SIDEWALK SNOW REMOVAL EQUIPMENT NORMALLY USED BY THE MUNICIPALITY.

IF POSSIBLE, DRAINAGE STRUCTURES SHOULD NOT BE PLACED IN LINE WITH RAMPS. EXCEPT WHERE EXISTING DRAINAGE STRUCTURES ARE BEING UTILIZED IN THE NEW CONSTRUCTION, LOCATION OF THE RAMP SHOULD TAKE PRECEDENCE OVER LOCATION OF DRAINAGE STRUCTURE.

THE SLOPE OF THE GUTTER PAN SHALL BE TRANSITIONED TO A MAXIMUM OF 5% IN THE AREA OF THE CURB CUT OF THE SIDEWALK RAMP. MAINTAIN THE NORMAL GUTTER PAN SLOPE ACROSS THE DRAINAGE STRUCTURE INLETS.

THE TOP OF THE JOINT FILLER FOR ALL RAMP TYPES SHALL BE FLUSH WITH THE ADJACENT CONCRETE.

CROSSWALK AND STOP LINE MARKINGS, IF USED, SHALL BE SO LOCATED AS TO STOP TRAFFIC SHORT OF RAMP CROSSINGS. SPECIFIC DETAILS FOR MARKING APPLICATIONS ARE GIVEN IN THE "MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".

DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP. THEY SHALL BE LOCATED SO THAT THE NEAREST EDGE OF THE DETECTABLE WARNING IS WITHIN 8" AND THE FURTHEST EDGE WITHIN 5' OF THE GRADE BREAK ON THE RAMP.

FLARED SIDES WITH A SLOPE OF 10% MAXIMUM, MEASURED ALONG THE CURB LINE, SHALL BE PROVIDED WHERE A CIRCULATION PATH CROSSES THE SIDEWALK RAMP. FLARED SIDES ARE NOT REQUIRED WHERE THE EDGES OF A SIDEWALK RAMP ARE PROTECTED BY LANDSCAPING OR OTHER BARRIERS TO TRAVEL BY WHEELCHAIR USERS OR PEDESTRIANS ACROSS THE EDGE OF THE SIDEWALK RAMP.

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SIDEWALK RAMP AND
DETECTABLE WARNING DETAILS

F.H.W.A. APPROVAL	5-17-2007 PLAN DATE	R-28-F	SHEET 7 OF 7

CITY OF PORTAGE

SPECIAL PROVISION FOR
HMA, PLANT MIXED

a. **Description** Plant mixed HMA shall consist of asphalt binder, aggregates, mineral filler and other additives.
b. **Materials** Materials shall be in accordance with Subsection 501.02 of the 2003 Standard Specifications for Construction except as shown in the table below.

Mixture No. Mixture Type	13A	13A-Mod.	13	11A	11A-Mod.	36A	36A-Mod. Polymer
Asphalt %	4.0-6.0	5.5-6.0	4.0-6.0	4.0-6.0	4.0-6.0	5.5-8.0	5.5-8.8
PERCENT PASSING INDICATED SIEVE							
1 ½ inch				100	100		
1 inch				90-100	90-100		
¾ inch	100	100	100	70-95	70-95		92-100
½ inch	75-95	75-95	75-95	55-85	55-85	100	100
3/8 inch	60-90	60-90	60-90	40-80	40-80	92-100	92-100
No. 4	45-80	45-80	25-65	25-65	25-65	69-90	65-90
No. 8	30-65	30-65	30-65	15-50	15-50	55-75	55-75
No. 16	20-50	20-50	30-50	10-40	10-40		
No. 30	15-40	15-40	15-40	7-32	7-32	25-45	25-45
No. 50	10-25	10-25	10-25	5-20	5-20		
No. 100	5-15	5-15	5-15	4-12	4-12		
No. 200	3-6	3-6	3-6	3-6	3-6	3-10	3-10
Crushed Min % (MTM 17)	25	80	0	25	40	60	60

Note: 13A, 13A-Mod. 13, 11A, 11A-Mod., 36A, 36A-Mod. Mixtures gradations must satisfy the following ratio:
No more than 50% of the material passing the No. 4 sieve is allowed to pass the No. 30 sieve.

The asphalt performance grade shall be PG-64-22, unless otherwise specified. 36A performance grade shall be PG-64-28.

c. **Construction** Construction of HMA pavement shoulders and approaches shall be in accordance with Section 502 of the 2003 Standard Specifications for Construction entitled "Hot Mix Asphalt Construction Practices".
d. **Measurement and Payment**

Contract Item (Pay Item)	**Pay Unit**
HMA, 11A, Modified	Ton
HMA, 13A, Modified	Ton
HMA, 36A, Modified, Polymer	Ton

DRAFT CONTRACT AGREEMENT

Following is a "*draft copy*" of the contract that will be executed by the City and the Contractor for the completion of this project.

CITY OF PORTAGE CONTRACT

THIS CONTRACT made the ____ day of _____, 2011, by and between _____, hereinafter called the "Contractor," and the City of Portage, 7900 South Westnedge Avenue, Portage, Michigan 49002, hereinafter called the "City."

WITNESSETH, THAT the Contractor and the City for the consideration stated herein agree as follows:

ARTICLE I - SCOPE OF WORK

The Contractor shall perform everything to be performed and shall provide and furnish all of the labor, materials, necessary tools, expendable equipment, and all utility and transportation services required to perform and complete in a workmanlike manner all the work required for the Street Paving Program all in strict accordance with the Plans and Specifications, including any and all addenda, which plans and specifications are made a part of this contract, and in strict compliance with the Contractor's proposal and other contract documents herein mentioned which are a part of this contract; and the Contractor shall do everything required by this contract and the other documents constituting a part hereof.

ARTICLE II - COMPENSATION TO BE PAID TO THE CONTRACTOR

In consideration of the completion of the work described herein and in fulfillment of all stipulations of this contract to the satisfaction and acceptance of the City, the City shall pay and the said Contractor further agrees to receive and accept payment based on the prices bid per unit for material and labor as set forth in the conformed copy of the Contractor's proposal (or bid) as filed with the City on the _____ day of _____, 2011, the sum of which shall be,

_____ $_____

(amount in words) (in figures)

as full compensation for furnishing all the equipment and materials, and for the costs of all premiums on insurance and bonds and for doing all the work contemplated and specified in this contract; also for all loss or damage arising out of the nature of the work aforesaid, or from the action of the elements, or from any unforeseen obstructions or difficulties which may be encountered in the prosecution of the same; and for all risks of every description connected with the work; and for well and faithfully completing the work and the whole thereof, in full compliance with the Plans and Specifications and the requirements under them. Payments are to be made to the Contractor in accordance with and subject to the provisions embodied in the contract documents hereto attached.

ARTICLE III - COMPONENT PARTS OF THIS CONTRACT

This contract consists of the following component parts, all of which are as fully a part of this contract as if herein set out verbatim, or, if not attached, as if hereto attached.

1. Contract (this document)
2. MDOT 2003 Standard Specifications for Construction
3. City of Portage Contract Conditions and Specifications
4. City of Portage Bid Documents and Attachments
5. Appendix A – (Title VI, Non-Discrimination)

In the event that any provision in any of the above component parts of this contract conflicts with any provision in any other of the component parts, the provision in the component part first enumerated above shall govern over any other component part which follows it numerically, except as may be otherwise specifically stated.

IN WITNESS WHEREOF, the parties have caused this instrument to be executed in four original counterparts the day and year first above written.

(SEAL) CONTRACTOR

Attest:

_____ By:_____
Signature

_____ _____
Print name and Title Print Name and Title

(SEAL) CITY OF PORTAGE

Attest:

_____ By:_____
Maurice S. Evans, City Manager

Approved as to Form:

_____
Randall L. Brown, Portage City Attorney

Appendix A

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. **Compliance with Regulations:** The contractor shall comply with the Regulations relative to non-discrimination in Federally-assisted programs of the Department of Transportation, Title 49, code of Federal Regulations, Part 21 as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.

2. **Non-discrimination**: The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by section 21.5 of the Regulation, including employment practices when the contractor covers a program set forth in Appendix B of the Regulations.

3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment**: In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to non-discrimination on the grounds of race, color, or national origin.

4. **Information and Reports**: The contractor shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the City of Portage to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to the State highway department, or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.

5. **Sanctions for Non-compliance**: In the event of the contractor's non-compliance with the non-discrimination provisions of this contract, the City of Portage shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
   (a) Withholding of payments to the contractor under the contract until the contractor complies, and/or
   (b) Cancellation, termination or suspension of the contract, in whole or in part.

6. **Incorporation of Provisions**: The contractor shall include the provisions of paragraphs (1) through (6) in every subcontract, including procurement of materials and leases of equipment, unless except by the Regulations, or directives issued pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the City of Portage may direct as a means of enforcing such provisions including sanctions for non-compliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the City of Portage to enter into such litigation to protect the interests of the City, and in addition, the contractor may request the State highway department to enter into such litigation to protect the

interests of the State and/or the United States to enter into such litigation to protect the interests of the United States.

INSTRUCTIONS FOR EXECUTING CONTRACT WITH CITY OF PORTAGE

A. **If the contractor is a corporation, the following certificate must be executed:**

I,_____, certify that I am the Secretary of
print or type name
the corporate entity named as Contractor in the contract and that such corporate entity is a corporation in good standing in the State of _____ and has authority
print or type name of state
to transact business in the State of Michigan. I certify that the contract between the City of Portage and _____, Inc. was validly executed on behalf of the
print or type name of corporation
corporation by _____ who was then the_____
print or type name print or type name of title
of said corporation and has the authority to bind the corporation to the contractual agreements pursuant to the authority of its governing body and by-laws and is within the scope of its corporate powers.

_____.
Print or type name of corporation

Dated:_____, 20_____

By:_____

Its:_____

B. **If contractor is an LLC, the following certificate must be executed:**

I, _____, certify that I am a member of the
print or type name
Limited liability company named as Contractor in the contract and that such LLC is in good standing in the State of _____ and that the LLC has the
print or type name of state
authority to transact business in the State of Michigan. I certify that the contract between the City of Portage and _____ LLC was validly executed on behalf
print or type name of LLC
of the LLC by _____ who was then a member of said
print or type name
LLC and has the authority to bind the LLC to contractual agreements and that such contract is within the scope of its powers.

_____
Print or type name of LLC

Dated:_____, 20_____

By:_____

Its:_____

C. **If the contractor is a sole proprietorship/partnership, the following certificate must be executed:**

I, _____, certify that I am the
print or type name
owner/partner of the company named as Contractor in the contract and that I have the authority to bind _____, to contractual
print or type name of business (insert d/b/a if one exists)
agreements.

_____
Print or type name of company/DBA

Dated:_____, 20_____ |
By:_____
|
Its:_____

Notes to Certificate:

1. The full name and business address of the Contractor must be inserted in the contract and the contract must be signed with his/her official signature. The name of the signing party or parties are to be typewritten or printed under all signatures of the contract.

2. If the contract is signed by the secretary of the corporation, the above certificate must be executed by some other officer of the corporation, under the corporate seal. In lieu of the foregoing certificate, there may be attached to the contract copies of so much of the records of the corporation and will show the official character and authority of the officers signing, duly certified by the secretary or assistant secretary under the corporate seal to be true copies.

3. If the Contractor is operating as a partnership, each partner must sign the contract, or if not signed by each partner, there must be attached to the contract a duly authenticated power of attorney evidencing the signer's (signers') authority to sign such contract and on behalf of the partnership.

4. If the Contractor is an individual, the trade name (if the Contractor is operating under a trade name) must be indicated in the contract and the contract must be signed by such individual. If signed by someone other than the Contractor, there must be attached to the contract a duly authenticated power of attorney evidencing the signer's authority to execute such contract for and in behalf of the Contractor.

5. If an LLC, the contract must be signed by a member of the LLC. If signed by someone other than the member, there must be attached to the contract the

duly authenticated power of attorney evidencing the signer's authority to execute such contract for and on behalf of the contractor.

CITY OF PORTAGE

LABOR AND MATERIAL BOND

KNOW ALL MEN BY THESE PRESENTS, that we,

_____, hereinafter called the Principal, and

_____, hereinafter called the Surety, are held and firmly bound unto CITY OF PORTAGE, 7900 South Westnedge Avenue, Portage, Michigan 49002, in the sum of _____ Dollars ($_____) lawful money of the United States of America, to the Payment whereof, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

Sealed with our seals and dated this _____ day of _____, _____.

WHEREAS, the above named Principal has entered into a certain contract with the CITY OF PORTAGE dated the _____ day of _____, _____ (hereinafter called the "Contract") for _____ (**name of project**), which contract and specifications for said work shall be deemed a part hereof as fully if set out herein.

AND WHEREAS, this bond given in compliance with and subject to the provisions of Act No. 213 of the Public Acts of Michigan, for the year 1963.

NOW, THEREFORE, the condition of this obligation is such that if payment shall be made by the Principal to any Subcontractor or by him or any Subcontracts as the same may become due and payable of all indebtedness which may arise from him to a Subcontractor or a party performing labor or furnishing materials or supplies, or any

Subcontractor to any person, firm, or corporation on account of any labor performed or materials or supplies furnished in the performance of said contract, then this obligation shall be void, otherwise the same shall be in full force and effect.

AND PROVIDED, that any alterations which may be made in the terms of said contract, or in the work to be done under it, or the giving by the party of the first part to said contract any extension of Labor and Material Bond time for the performance of said contract or any other forbearance on the part of either party to the other, shall not in any way release the Principal and the Surety or either of them, their heirs, executors, administrators, successors or assigns from any liability hereunder, notice to the Surety of any such alterations, extensions of time or of any forbearance being hereby waived.

IN WITNESS THEREOF, the parties thereto have caused this instrument to be executed by their respective authorized officers this _____ day of _____, _____.

Signed, sealed, and delivered in the presence of:	:	PRINCIPAL:
_____		_____
_____		Its:_____
		SURETY:
_____		_____
_____		_____

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, THAT _____Contractors,

as principal and _____, as surety, are held and firmly bound unto

the_____

in the sum of _____

Dollars ($_____) to be paid to the City for which payment well and truly to be made we, jointly and severally bind ourselves, our heirs, executors, administrators, and assigns firmly by the presents.

THE CONDITIONS OF THE ABOVE OBLIGATIONS ARE SUCH THAT, WHEREAS, the said

_____did, on the _____ day of

_____, 20_____

enter into contract with the City for the _____.

NOW, THEREFORE, if said Contractor shall save and hold harmless the said CITY from all public liability and damages of every description in connection therewith, shall well and faithfully in all things fulfill the said contract according to all the conditions and stipulations therein contained in all respects, and shall save and hold harmless the said CITY from and against all liens and claims of every description in connection therewith, then this obligation shall be void and of no effect; but otherwise it shall remain in full force and virtue, and, in the event that said CITY shall extend the time for completion of said work or otherwise modify elements of the contract in accordance with provisions thereof, such extension of item or modification of the contract shall not in any way release the sureties of this bond.

WITNESS our hands and seal this _____ day of _____, 20___.

WITNESSES:

_____ _____(Seal)
Principal

_____ _____(Seal
Surety

MAINTENANCE AND GUARANTEE BOND

KNOW ALL MEN BY THESE PRESENTS, that _____
_____, Contractor, as principal and
_____, as surety are held and firmly bound unto the City of Portage, Michigan, 7900 South Westnedge Avenue, Portage, Michigan 49002, hereinafter known as the City, in the sum of
_____
_____Dollars ($_____) to be paid to said City, its legal representatives and assigns, for which payment well and truly be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, and each and every one of them jointly, firmly by these presents.

Sealed with our seals and dated this _____ day of _____, 20___.

WHEREAS, the above named Principal has entered into a certain contract with the City of Portage, Michigan, dated this _____ day of _____, 20____ wherein the said principal covenanted and agreed as follows, to wit:

_____

_____

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that by and under said contract, the above named principal has agreed with the City that for a period of two (2) years from the date of payment of Final Estimate, to keep in good order and repair any defect in all the work done under said contract wither by the principal or his subcontractors, or his material supplies, that may develop during said period due to improper materials, defective equipment, workmanship or arrangements, and any other work affected in making good such imperfections, shall also be made good all without the consent or approval of the principal after the final acceptance of the work, and that whenever directed to do so by the City, by notice served in writing, either personally or by mail, on the principal at
_____

_____or_____

_____ legal representatives, or successors, or on the surety at

_____

WILL PROCEED at once to make such repairs as directed by said City and in case of failure to do so within one week from the date of service of such notice, or within reasonable time not less than one week, as shall be fixed in said notice, then the said City shall have the right to purchase such materials and employ such labor and equipment as may be necessary for the purpose, and to undertake, do and make such repairs and charge the expense thereof to, and receive same, from said principal or surety.

If any repair is necessary to be made at once to protect life and property, then and in that case, the said City may take immediate steps to repair or barricade such defects without notice to the Contractor. In such accounting the said City shall not be held to obtain the lowest figures for the doing of the work, or any part thereof, but all sums actual paid therefore shall be charged to the principal surety. In this connection the judgement of the said City is Final and conclusive. If the said principal for a period of two (2) years from the date of payment of Final Estimated, shall keep said work so constructed under said contract in good order and repair, excepting only such part or parts of said work which may have been disturbed without the consent or approval of said principal after the final acceptance of the same, and shall whenever notice is given as hereinbefore specified, at once proceed to make repair as in said notice directed, or shall reimburse the City for any expense incurred by making such repairs, should the principal or surety fail to do as hereinbefore specified, and shall fully indemnify, defend and save harmless the said City from all suits and actions for damages of every name and description brought or claimed against it for or on account of any injury or damage to person or property received or sustained by any party or parties, by or from any of the acts or omissions or through negligence of said principal, servants, agents, or employees in the prosecution of the work included in said contract, and from any and all claims arising under the Worker's Compensation Act, so-called, of the State of Michigan, then the above obligation shall be void, otherwise too remain in full force and effect.

IN WITNESS THEREOF, the parties hereto have caused this instrument to be executed by their respective authorized officers this _____ day of _____, 20____.

Signed, sealed, and Delivered
in the Presence of:

_____ _____(Seal)
Principal

_____ _____(Seal)
Surety