

DEPARTMENT OF PUBLIC WORKS

CITY OF KAUKAUNA

PROJECT 4-17

SIDEWALK REHAB PROJECT

Department of Public Works
144 West Second Street
P.O. Box 890
Kaukauna, WI 54130

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www.cityofkaukauna.com

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NOTICE TO CONTRACTORS
Sidewalk Replacement Program
Project Number 4-17

Notice is hereby given by the Board of Public Works of the City of Kaukauna that it will receive sealed bids for Project Number 4-17 "Sidewalk Replacement", until 6:00 P.M., Monday the 19th day of June, 2017, in the Clerk/Treasurer's Office, Municipal Services Building, in the City of Kaukauna. Bids will be opened in the Council Chambers by the Board of Public Works at 6:00 P.M., on the same date. The bids shall be labeled "Project Number 4-17, Sidewalk Replacement".

Major Work Quantities:

- Removal and replacement of 15,000 square feet of 4" sidewalk
- Removal and replacement of 3,500 square feet of 6" sidewalk
- Furnish 300 lineal feet of full depth saw cutting
- Furnish and install 12 curb ramp detectable warning fields
- Furnish and install 750 lineal feet of 30" curb and gutter
- Furnish and install 325 lineal feet of 8 foot wide 5" trail
- Furnish and install 230 tons of 3.5 inch asphalt pavement

The above work will be let to the lowest responsible bidder and must be performed in accordance with the specifications and contract now on file with the City Clerk/Treasurer.

No bid can be received or considered unless accompanied by a certified check equal to five (5%) percent of the bid, or a bid bond in equal amount payable to the City as a guarantee that, if the bid is accepted, the bidder will execute and file the proper contract and bond within ten (10) days from the date the lowest responsible bidder's bid is accepted. In case the bidder fails to file such contract and bond within the time set by the City, the check or bid bond shall be forfeited to the City as liquidated damages. Plans and detailed specifications, together with the form on contract and bond, and questionnaire to show bidder's proof of responsibility in accordance with Section 66.0901 (2), Wisconsin State Statutes, are on file and may be obtained at the City Clerk/Treasurer's Office.

The Board reserves the right to reject any and all bids.

BOARD OF PUBLIC WORKS
CITY OF KAUKAUNA, WISCONSIN

Bidder's Proof of Responsibility must be on file in the City Clerk/Treasurer's Office by 4:30 P.M., on Wednesday, June 14, 2017. ****PLEASE NOTE THAT AS OF JANUARY 1, 2017 ALL BIDDERS INCLUDING SUBCONTRACTORS MUST SUBMIT BIDDER'S PROOF OF RESPONSIBILITY FORMS****

There is no charge for these plans.

SPECIAL PROVISIONS
Sidewalk Replacement Program
Project Number 4-17

#1 General Specifications

All work and materials for the construction of this project shall conform to the requirements of the "Standard Specifications for Road and Bridge Construction", State of Wisconsin, Division of Highways, 2003 Edition, except as amended within this document. Should a conflict arise between specifications, the City Engineer reserves the right of choice as to governing specifications.

#2 Safety Requirements

Contractor, sub-contractors and their employees shall comply with all applicable local, state and federal safety requirements.

#3 General Requirements of Access

The City of Kaukauna desires to cause as little disruption and inconvenience to the abutting property owners as possible. The work shall be scheduled so there is a minimum of delay. Backfilling and cleanup shall take place as soon as possible after the necessary cure time has elapsed.

#4 Scope of Work

The sidewalk program is generally concentrated in four areas. The attached map titled "Proposed 2017 Sidewalk Repair" highlights the concentrated areas. Additionally, there are several isolated locations around the City where replacement work will occur.

#5 Incidental Work

Incidental work shall include work not definitely specified, or that which may be specified and not provided for in a basis or payment, of an incidental or temporary nature and required in order to safely and satisfactorily carry out the intent of the work as indicated on the drawings and in the specifications. The cost of all such work shall be merged with and included in the price bid under all items of work.

#6 Concrete Disposal

Contractor will have the option of utilizing the City concrete disposal facility provided that all concrete is free of dirt and tree roots. Materials not free of debris will be removed at the Contractor's expense and use of the facility will be terminated. **The contractor will also be responsible for piling or stacking the dumped concrete in a manner acceptable to the City Engineer.** The City Engineer shall be informed of the Contractor's desire to use the facility so that arrangements may be made. The secure facility is located off CTH "Z" in the Thilmany landfill and is available from 7:30 a.m. to 3:00 p.m., Monday through Friday.

#7 Daily Cleanup

The Contractor shall remove mud and debris spilled or tracked onto streets by his own vehicles delivering equipment or materials. All dirt, gravel, debris, etc., which falls into manholes, sewer lines or inlets shall be removed immediately. If the streets, sewer lines, etc. are not cleaned, the Engineer will have the dirt and debris cleaned up and the cost deducted from money due the contractor.

#8 Guarantee

The guarantee period for the sidewalk shall be **two years**. The Contractor shall be liable for the acceptance condition of all work under the contract both during the construction and throughout the guarantee period. Should any defect appear, the Contractor shall, upon notification by the City, make the required repairs or replacement at his expense.

#9 Estimated Quantities

Quantities listed in the bid schedule are estimates. Payment will be made on quantities measured after completion, unless noted in these specifications. Progress payments will be made based on the City Engineer's approximation of work completed.

#10 Concrete Mix Design

Concrete design mix shall be submitted and approved before any concrete is placed.

For all new concrete sidewalk and driveway aprons, fly ash and slag will not be allowed in the concrete mix.

The concrete shall be Grade A, air-entrained or concrete containing a minimum of 564 pounds of Portland Cement per cubic yard and the maximum size of coarse aggregate limited to 3/4" inch sieve size as stated in the D.O.T. Specifications in Subsection 501.2.5.4.4 Size No. 1.

Concrete containing 6% plus or minus 1-1/2% air shall be used for the concrete pavement, sidewalks, driveway aprons, and curb and gutter. Concrete shall attain a strength of 3,500 psi in 28 days.

Air-entrained Portland Cement shall comply with the Specifications for Air-entraining Portland Cement for Concrete Pavements, ASTM Designation C-175, Type 1A or Standard Portland Cement conforming to the Standard Specifications for Portland Cement, ASTM Designation C-150, may be used with the addition of air-entraining mixtures conforming to the ASTM Specifications for Air-entraining Mixtures for Concrete; Designation C-260.

10a Concrete Mix Design Alternate (Water Reducing Admixture).

Water Reducing Admixture - To incorporate a water reducing admixture into the composition of the concrete mixes, the following additional requirements shall apply:

Water reducing admixture meeting the requirements of AASHTO Designation M194 Type A or water reducing-retarding admixture meeting the requirements of AASHTO Designation M194 Type D, may be substituted for a maximum one-half sack (47#) of Portland Cement per cubic yard for concrete mixes. Design strength shall remain the same as specified.

The specific type of admixture and rate of use will be determined on the basis of the atmospheric conditions, desired properties of the finished concrete, and the manufacturer's recommended rates to meet the requirements of AASTHO Designation M194. The admixture shall be free of calcium chloride.

#11 Concrete Tests

Concrete cylinder tests may be made by the City or a City approved independent testing and inspection laboratory at the expense of the City. The testing laboratory shall furnish the Engineer with three (3) copies of all test reports. At least three specimens shall be made and cured in accordance with current ASTM Specifications C-31 and C-39, Standard Method of Making Concrete Compression and Flexural Test Specimens in the Field. Tests shall be made at 7 days and 28 days. The cylinder test will be evaluated on the basis of ASTM C-94 with the design strength $f'_c = 3,500$ psi. For a strength test, two standard test specimens shall be made from a composite sample. A test shall be the average of the strengths of the two specimens at 28 days. If the differential strength of the two specimens is 350 psi or greater, the low strength specimen shall be discarded and the strength of the remaining cylinder shall then be the test result. If the test result falls below 3500 psi, the test result shall be considered a failure. Also, if either of the two 28 day specimens falls below 3000 psi, the test result shall be considered a failure. In the event of a failed test, the Engineer shall have the right to order the inferior concrete removed and replaced with new concrete by and at the expense of the Contractor. Where there is question as to the quality of the concrete, the Engineer may require tests in accordance with the ASTM Designation C-42. Core samples shall be taken from the sidewalk where deemed necessary. If the tests do not meet standards, the Contractor shall be required by the Engineer to remove and replace the sidewalk in question. All core testing shall be at the expense of the Contractor and evaluated against the 28-day design strength.

#12 Rough Backfill

Rough backfill shall be earth material, 90% free of stone and rubble. Any stone or rubble shall not be larger than 1 ½ inches and shall be placed 3 inches or more below the finished grade.

#13 Topsoil

The final 3" of topsoil will be furnished and installed by the contractor and will be considered incidental to the work. All topsoil placed as part of the project shall be screened and pulverized and placed in sufficient quantities to allow for settling. Contractor shall not drive on any sidewalk or driveway aprons while placing topsoil.

#14 Forms

Forms shall be for a height equal to the thickness of the concrete. They shall be free from warps and kinks and be of sufficient strength and rigidity to resist pressure or load. Metal forms shall be used on all standard work and 100 feet or larger radius curves. Only in special cases, such as irregular shapes and short sections will wood forms be permitted, unless the Contractor has flexible forms. When wood forms are permitted, they shall be commercial surfaced planks having a minimum nominal width of 1 inch and a minimum height of the same thickness of the concrete being poured. Form lumber of less thickness may be permitted only on irregular shapes and radii less than 100 feet.

#15 Root Cutting

Root cutting shall be incidental to the project and done at the Contractor's expense.

#16 Reinforcement

Where sidewalks cross sewer and water trenches installed within the past five years, and when ordered by the Engineer, the Contractor shall furnish and install #4 reinforcing rods. One rod shall be placed approximately 6 inches from each edge of the walk, the third at centerline and installed at mid-depth of the walk thickness. The Contractor shall notify the Engineer prior to installing the reinforcing rods to receive payment.

#17 Sidewalk Inspector Notice

The Contractor shall notify the Sidewalk Inspector or Engineering Department at 920-766-6305 **not less than four hours prior** to placing concrete.

#18 Name Plate Stamp

The Contractor shall furnish a name plate stamp to be used on the ends of each section of sidewalk which he constructs. The name plate stamp shall include the year of construction and Contractor's name. Concrete not stamped will not be paid for.

#19 Handicap Ramps (Curb Ramp Detectable Warning Fields)

Contractor shall install detectable warning fields in curb ramps, where directed by the City Engineer. Warning fields shall be installed according to Department of Transportation (DOT) and Americans with Disabilities Act (ADA) specifications. Product shall be yellow in color and be manufactured by Advantage Tactile Systems, Metadome or Neenah Foundry as listed in the Wisconsin Department of Transportation's Product acceptability list.

#20 Cold Weather Concrete

Cold weather concrete shall meet the requirements of subsection 415.5.13 of the 1996 Wisconsin Department of Transportation Specifications.

#21 Primary Line and Grade

Primary line and grade stakes will be set by the City as required. After line and grade has been set, it shall be the duty of the Contractor to preserve the grade stakes until the sidewalk has been constructed. Failure to preserve said stakes, requiring City Engineering Department personnel to reset stakes, will subject the Contractor to the expense involved. It is the Contractor's responsibility to establish and maintain line and grades in all other areas.

#22 Excavation and Fill Areas

All unclassified excavation necessary for the installation of sidewalk shall be included in the cost of sidewalk construction. All fill areas under sidewalks and driveways shall be filled and tamped firmly with crushed gravel or crushed stone meeting Gradation No. 2 of Section 304 of the Wisconsin Dept. of Transportation Specifications. Fill material will be paid for under $\frac{3}{4}$ " Road Gravel only when the Engineer verifies and authorizes the quantities of material prior to its placement. If the Contractor over-excavates, he shall furnish and place compacted crushed gravel or stone at this expense. Payment for pre-authorized fill will be based on tons of stone used. The Contractor shall submit weight tickets daily to the Inspector for materials used. Weight tickets not received by the Engineer/Inspector within 24 hours of stone placement will not be accepted and no compensation will be given the Contractor for the stone.

#23 Gravel

Gravel used to level the subgrade under the typical sidewalk installation shall be considered incidental to construction. Cost of such gravel is to be incorporated in to the unit price for sidewalk.

#24 Form Setting

Forms shall be staked and set to the proper line and grade. In areas of fill, the forms shall be placed after the crushed stone or crushed gravel is thoroughly mechanically tamped and compacted to within 2 inches of finished subgrade. Forms placed before the subgrade is compacted shall be removed and reset after compaction is completed.

#25 Placing Concrete

No sidewalks will be constructed before May 1 or after October 31, without permission by the Engineer. Concrete shall not be placed before 7:30 a.m. or after 4:00 p.m. on any day without permission from the City Engineer. The subgrade, forms and any required reinforcement shall be checked and approved by the Engineering Department prior to the placing of concrete. After any necessary corrections have been completed, the concrete shall be placed on a moist subgrade. The concrete shall be laid in one course to the required depth, consolidated, struck off flush with the tops of the forms, and spaded sufficiently to bring the mortar to the surface.

#26 Contraction Joints

Contraction joints in the sidewalk shall consist of a slot or groove, one quarter the thickness of the concrete in depth and $\frac{3}{16}$ inch in width, formed in the concrete after it has been struck off and

consolidated, and while the concrete is still plastic. The typical sidewalk is 5 feet wide with joints 5 feet center to center. Where 4-foot wide sidewalk is constructed, joints shall be 4 feet center to center. Non-typical width sidewalks will have joints constructed as directed by the City Engineer. For sidewalks of uniform width, transverse joints shall be constructed at right angles.

#27 Expansion Joints

Bituminous expansion joints of ½ inch shall be installed at uniform intervals of not more than 90 feet and wherever the walk abuts a driveway approach, curb, ramp, building, stationary object, or where ordered by the City Engineer. The expansion material must be placed vertically and maintained in that position and not protrude above the finished surface. All expansion joint material shall be 1 inch deeper than the thickness of the concrete being placed.

#28 Curing Concrete

For all new concrete sidewalk and driveway aprons, the contractor shall apply a linseed oil based curing compound conforming to Section 415.2.4 of the Wisconsin D.O.T. Standard Specifications. Payment for furnishing and installing linseed oil curing compound shall be included in the bid prices for new concrete.

#29 Concrete Protection

The Contractor shall be responsible for protecting concrete against any damage. The Contractor shall have suitable covering of sufficient volume and strength to cover that portion of fresh concrete which is subject to damage. In the event the Contractor fails to protect the newly poured concrete from damage, he shall be required, when ordered by the City Engineer, to remove and replace the concrete in question. Refer to Paragraph 105.9 and 107.14 of the Department of Transportation Specifications.

#30 Barricading

All required barricades used by the Contractor shall conform to the latest edition of (FHWA) Part VI of the Manual on Traffic Control Devices and shall have a readable name of the Contractor along with the telephone number at which he or his superintendent can be contacted. The Contractor shall furnish and erect neat and substantial barricades around roadway obstructions, and other excavations as prescribed by law and as may be further required for the protection of the public and of the work. He shall supplement such barricades by the use of acceptable lights and signs and other measures that may be necessary to afford proper and sufficient protection. The Contractor shall have the sole responsibility of safeguarding the work and work site throughout the duration of the project. Whenever in the judgment of the Engineer, the work and work site are not sufficiently safeguarded, the City Engineer may order additional protection, or in the event that there is not sufficient time for the Contractor to provide such safeguards, the Engineer may have the work and work site safeguarded by others and deduct the cost from the payment due the Contractor.

#31 Driveways/Aprons/ Parking Lot

The Engineer may order all or portions of driveways or aprons to be replaced. Payment for driveway or apron removal and replacement will be only for that portion ordered by the Engineer. Existing asphalt or concrete in the area of the proposed sidewalk shall be saw cut and removed. If removal extends beyond the proposed walk, that area shall be replaced in like kind. Saw cutting, concrete removal, and replacement will be paid under the appropriate bid items. Existing asphalt or concrete driveways or service walks that require replacement shall be saw cut, removed and replaced in like kind and paid under the appropriate bid items. Exceptions to "like kind" may be ordered or approved by the Engineer. Sidewalk placed across gravel drives shall be backfilled and compacted road stone at the Contractor's expense for any and all areas of excavation or fill within 18" of walk edges. Topsoil shall be placed at a minimum depth of 3 inches in a manner that will not produce more than one inch of settlement, have a uniform slope from the top of the walk to the adjacent surface and meet the requirements of Section 625 of the Department of Transportation Specifications.

#32 Removal of Concrete

The Contractor is responsible for the protection of concrete adjacent to that which is to be removed. Sawing shall be done to insure that the remaining concrete is not damaged and will be considered incidental to work.

#33 Asphalt Mix Design

Asphaltic concrete pavement materials shall be mix Type E-1. All asphaltic cement on this project shall be PG 64-22. The contractor shall submit a current mix design that will be used on the project prior to placing any pavement.

#34 Asphaltic Concrete Construction

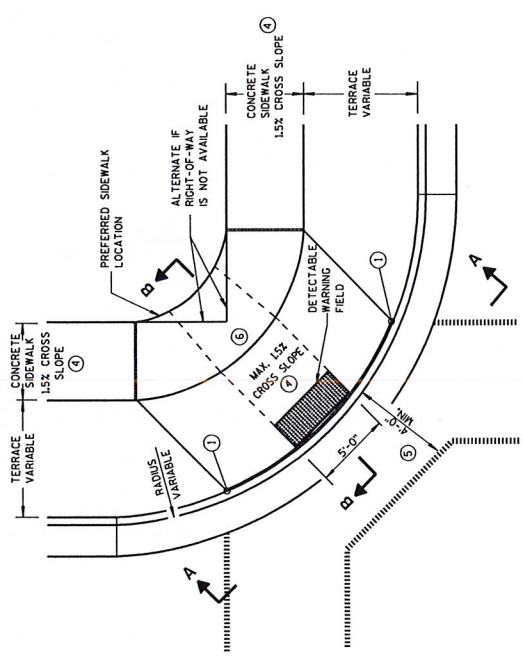
Asphalt concrete construction shall conform to Section 450, Section 455 and Section 460 of the "Standard Specifications for Highway and Structure Construction", Wisconsin Department of Transportation, 2012 Edition. The nominal thickness of the asphaltic concrete pavement shall be 3 ½ inches. It shall consist of a nominal 1 ¾ inch binder course and a nominal 1 ¾ inch surface course. Wedging may be required in areas where substantial leveling is needed. Wedging shall be done as directed by the owner after review with the Contractor. All patched over 8 feet in width must be done with an asphalt paver.

#35 Start Date

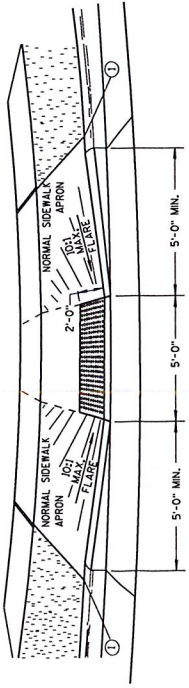
No work shall commence before July 24th, 2017 without permission from the City Engineer.

#36: Substance Abuse Prevention Program

Contractor, sub-contractors, and their employees shall comply with Sec. 103.503 Wisconsin Statutes; having a written substance abuse prevention program.

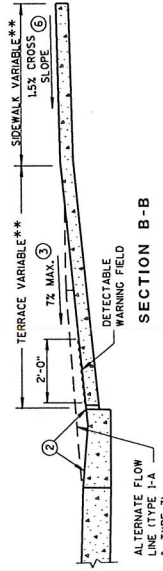


PLAN VIEW
TYPE 1 RAMP
(CENTER OF CORNER RADIUS)

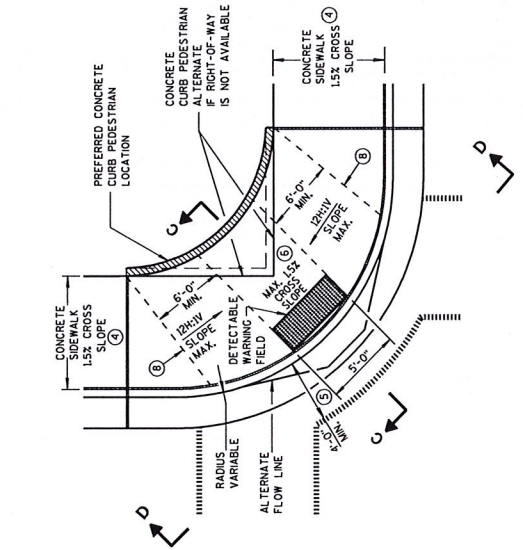


VIEW A-A

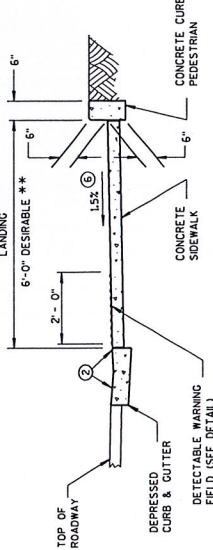
** WIDTH SHOWN ELSEWHERE
IN THE PLANS



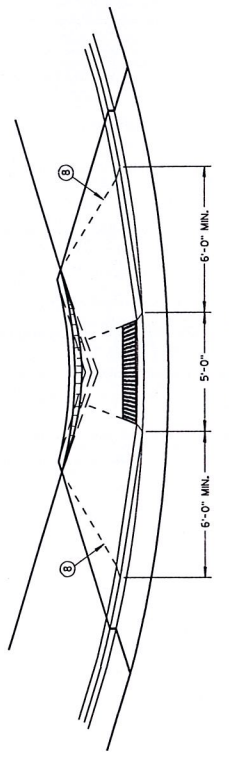
SECTION B-B



PLAN VIEW
TYPE 1-A RAMP
(NO TERRACE)



SECTION C-C



VIEW D-D

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP. DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE CURB PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

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

1 THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

2 GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 1/2". MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4" INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

3 ABSOLUTE MAXIMUM 12HIV (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 1/2" GRADE CHANGE.

4 ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

5 PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA 12% MAXIMUM SLOPE IN ANY DIRECTION. WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

6 PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

7 PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- - - CONTRACTION JOINT FIELD LOCATED
- ||||| PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS
TYPES 1 AND 1-A
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Curb Ramps Types 1 and 1-A

References:

FDM 11-25-30
FDM 11-20-1

Bid items associated with this drawing:

ITEM NUMBER	DESCRIPTION	UNIT
601.0600	Concrete Curb Pedestrian.....	LF
602.0505	Curb Ramp Detectable Warning Field Yellow.....	SF
602.0510	Curb Ramp Detectable Warning Field White.....	SF
602.0515	Curb Ramp Detectable Warning Field Natural Patina.....	SF
602.0405	Concrete Sidewalk 4".....	SF
602.0410	Concrete Sidewalk 5".....	SF
602.0415	Concrete Sidewalk 6".....	SF
602.0420	Concrete Sidewalk 7".....	SF
646.0113 - 0119	Pavement Marking (material) 6-Inch.....	LF
647.0763 - 0769	Pavement Marking Crosswalk (material) 6-Inch.....	LF
647.0773 - 0779	Pavement Marking Crosswalk (material) 12-Inch.....	LF
647.0783 - 0789	Pavement Marking Crosswalk (material) 18-Inch.....	LF
647.0793 - 0799	Pavement Marking Crosswalk (material) 24-Inch.....	LF

Standardized Special Provisions associated with this drawing:

NONE

Other SDDs associated with this drawing:

SDD 8D5	Curb Ramps sheet "b", "c", "d" and "e" and
SDD 15C33	Stop Line and Crosswalk Pavement Marking is required when this drawing is called for in the plans.

Design Notes:

The Type 3 should be used only when there may be utilities or other fixed objects in the way of the curb ramp installation and cannot be relocated.

If other ramp types are not technically feasible, Type 1 and 1-A curb ramps may be constructed per FDM 11-46-10.2. If Type 1-A curb ramps are constructed within constrained site locations, the landing width may be reduced to 5 feet.

These SDDs may not satisfy all field conditions. It may be necessary to develop special details showing elevations or other layout considerations.

The Product Acceptable List (PAL) has only cast iron products for the Detectable Warning Field (DWF). The typical size of DWF panel in cast iron is 2 ft x 2 ft. Other cast iron panel sizes available include 2 ft x 1 ft, 2 ft x 1.5 ft, 2 ft x 2.5 ft, and 2 ft x 3 ft. The site-specific application will always be wider than 2 feet, thus multiple DWF panels are required for each installation. Maintain a maximum 5-foot distance between back of curb ramp and near edge of DWF panel(s). If this distance exceeds 5 feet, stagger an additional warning field panel to reduce this distance. Provide adequate row overlap to avoid sidestep of dome detection. Align domes in direction of pedestrian travel.

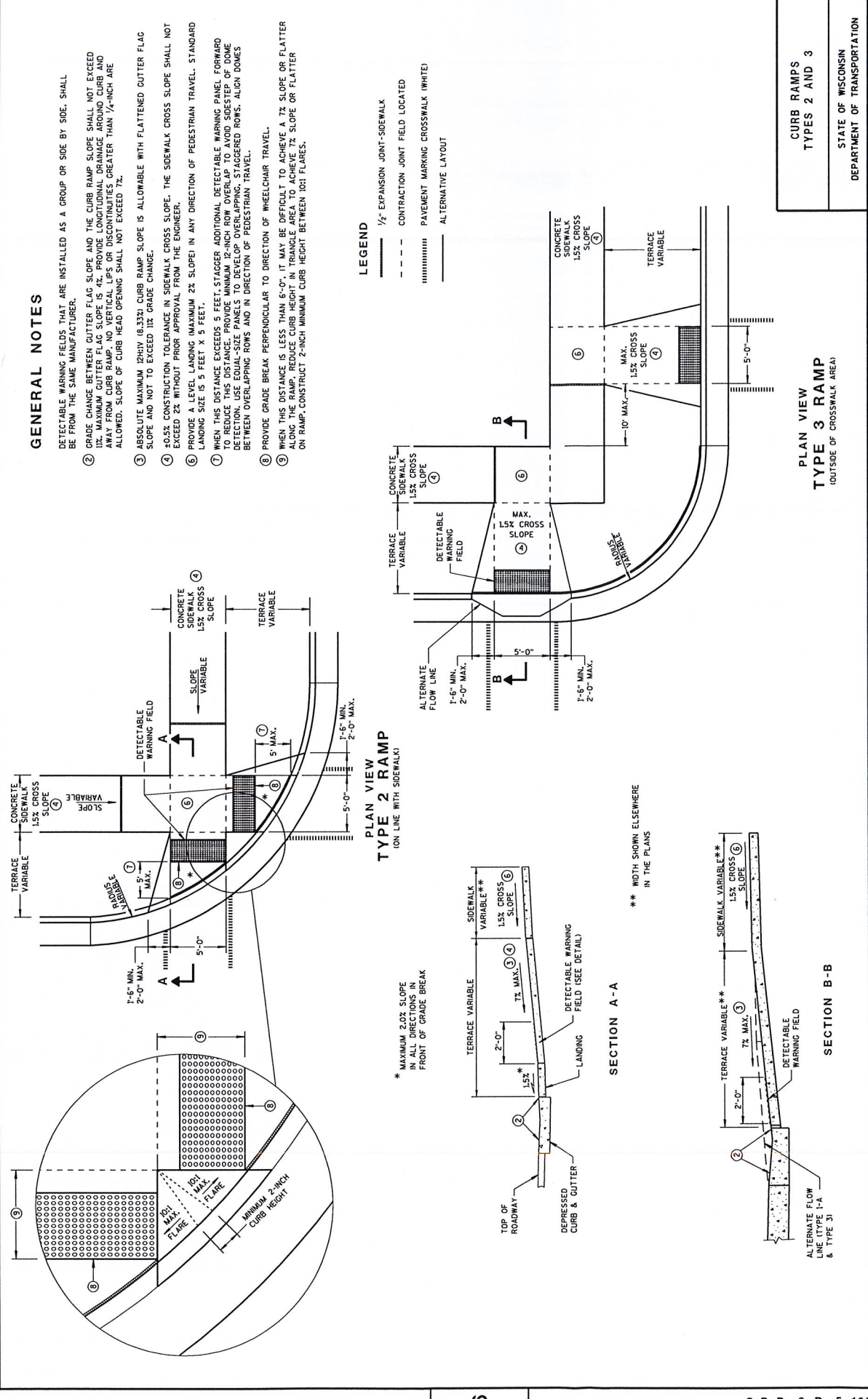
The Detectable Warning Field shall be installed in plastic concrete. The area under the Detectable Warning Field is paid as concrete sidewalk. Do not install the Detectable Warning Field in or on asphaltic pavement. Do not install drainage grates in the path of curb ramp or sidewalk users. Slope the gutter pan so the curb ramp area will drain away from the pedestrian crossing.

Shared use paths are typically 10 ft wide, with some 8 ft and some 12 ft. The Detectable Warning Field shall be placed at the edge of the paved portion of the path width. Do not provide space between multiple panels. Using the typical panel sizes mentioned above, for example, a 10-ft wide path would need five - 2' x 2' panels to cover the full width. Refer to FDM 11-46-10.2 for Detectable Warning Field application at wide directional curb ramps with a larger intersection radius and/or narrow terrace.

The yellow border pavement marking is not required with the use of the Detectable Warning Field. See SDD 8D5-b for Curb Ramp pay items used for restriping of curb ramp markings.

Contact Person:

Paul Vraney (608) 266-8486



Curb Ramps Types 2 and 3

References:

- FDM 11-25-30
- FDM 11-20-1

Bid items associated with this drawing:

ITEM NUMBER	DESCRIPTION	UNIT
601.0600	Concrete Curb Pedestrian	LF
See Sheet "a".		

Standardized Special Provisions associated with this drawing:

See Sheet "a".

Other SDDs associated with this drawing:

- SDD 8D5 Curb Ramps sheet "a", "c", "d", and "e" are required.
- SDD 15C33 Stop Line and Crosswalk Pavement Marking is required.

Design Notes:

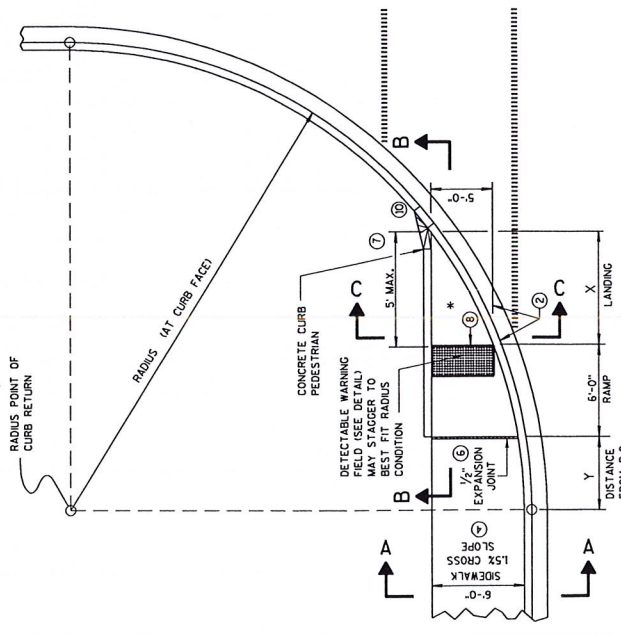
See Sheet "a".

Curb Ramp pay items used for restriping of curb ramp markings are as follows (do not use these pavement markings when using Curb Ramp Detectable Warning Fields):

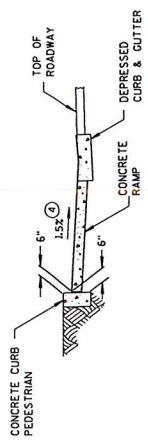
- | | | |
|----|----------|--|
| 1. | 647.0503 | Pavement Marking Curb Ramp Paint |
| 2. | 647.0506 | Pavement Marking Curb Ramp Epoxy |
| 3. | 647.0509 | Pavement Marking Curb Ramp Preformed Plastic |

Contact Person:

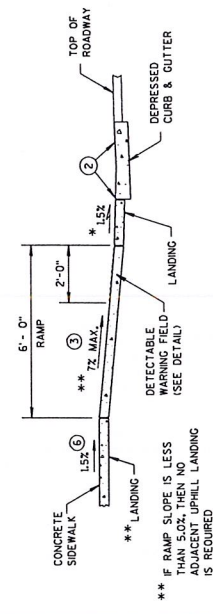
Paul Vraney (608) 266-8486



CURB RAMP TYPE 4A
PLAN VIEW



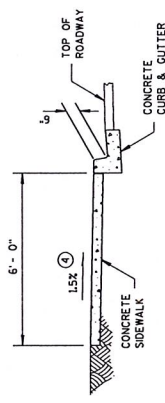
SECTION A-A FOR TYPE 4A



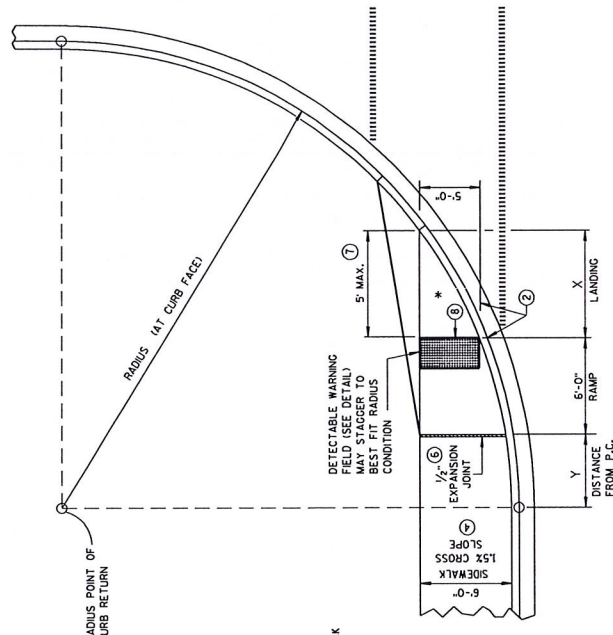
SECTION B-B FOR TYPE 4A

RADIUS (AT CURB FACE)	X	Y
20 FEET	7'-11"	0'-2"
30 FEET	10'-2 3/4"	1'-7 1/2"
40 FEET	12'-1 1/4"	2'-10"
50 FEET	13'-8 3/4"	3'-10 3/4"
60 FEET	15'-2"	4'-10 1/4"

INTERMEDIATE RADII CAN BE INTERPOLATED



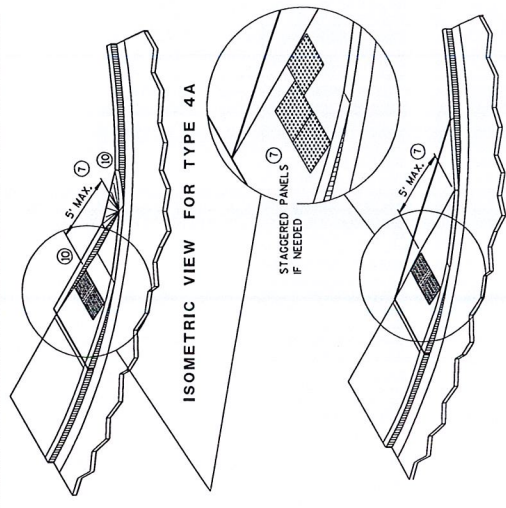
SECTION A-A FOR TYPE 4A



CURB RAMP TYPE 4A1
PLAN VIEW

GENERAL NOTES

- AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.
- DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.
- GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 1/2". MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4" INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.
- ABSOLUTE MAXIMUM 12KV (6.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 1/2" GRADE CHANGE.
- 40.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.
- WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO EXCEED THIS DISTANCE. PROVIDE NEW 12 INCH RAMP OVERLAP TO AVOID SIDEWALK OF DOME DETECTABLE WARNING PANELS. PROVIDE TO TOP OF DETECTABLE WARNING PANELS. STAGGER ROWS BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.
- PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- INSTALL TRANSITION NOSE INCIDENTAL TO OTHER PAVEMENT ITEMS. DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4A

ISOMETRIC VIEW FOR TYPE 4A1

- LEGEND
- 1/2" EXPANSION JOINT- SIDEWALK
 - CONTRACTION JOINT FIELD LOCATED
 - PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

INSTRUCTION TO BIDDERS
Sidewalk Replacement Program
Project Number 4-17

No bid will be accepted unless it is presented on the forms prepared by the City of Kaukauna and shall be filed in sealed envelopes in the office of the City Clerk/Treasurer, Kaukauna, Wisconsin.

No bid will be considered unless it is accompanied by a certified check or bid bond of a least five percent of the largest bid, made payable to the City of Kaukauna. Such certified check shall be returned to the unsuccessful bidder on the rejection of his bid, and to the successful bidder upon entering into contract with the City and with satisfactory bond approved by the Mayor. A performance bond and a signed contract shall be returned to the City within ten (10) days after notification of the award to the successful bidder.

The City reserves the right to reject any or all bids except any bid, which may be considered to the best interest of the City of Kaukauna. No bid may be withdrawn for a period of thirty (30) days after the date set for the opening of such bids.

SCHEDULE OF PRICES WORK UNIT A
Sidewalk Replacement Program
Project Number 4-17

<i>Item #</i>	<i>Description</i>	<i>Unit Price</i>	<i>Total</i>
No. 1	Remove and replace 4" sidewalk, 15,000 square feet, more or less, all complete for:	\$ _____/sq. ft.	\$ _____
No. 2	Remove and replace 6" sidewalk, 3,500 square feet, more or less, all complete for:	\$ _____/sq. ft.	\$ _____
No. 3	Remove and replace 30" curb and gutter, 750 lineal feet, more or less, all complete for:	\$ _____/ln. ft.	\$ _____
No. 4	Provide 300 lineal feet of saw cutting, more or less, all complete for:	\$ _____/ln. ft.	\$ _____
No. 5	Furnish and install 12 curb ramp detectable warning fields	\$ _____/each	\$ _____
No. 6	Furnish and install 200 lineal feet of #4 reinforcing rods, more or less, all complete for:	\$ _____/ln. ft.	\$ _____
No. 7	Furnish and install ¾" road gravel, 300 tons, more or less, all complete for:	\$ _____/ton	\$ _____
No. 8	Furnish and install 230 tons of 3.5" asphaltic pavement, more or less, all complete for:	\$ _____/ton	\$ _____
No. 9	Furnish and install 5" concrete trail, 325 feet long 8 feet wide, 2600 square feet more or less, all complete for.	\$ _____/sq. ft.	\$ _____

TOTAL Items 1 through 9: \$ _____

_____ Dollars

Work shall be completed by SEPTEMBER 29, 2017 or liquidated damages of \$250.00 per calendar day will be assessed.

SCHEDULE OF PRICES WORK UNIT B
Sidewalk Replacement Program
Project Number 4-17

<i>Item #</i>	<i>Description</i>	<i>Unit Price</i>	<i>Total</i>
No. 1	Sidewalk complete including excavation and aggregate base course 4000 square feet	\$ _____/sq. ft.	\$ _____
No. 2	Concrete apron complete including excavation and aggregate base course 2800 square feet	\$ _____/sq. ft.	\$ _____
No. 3	Inlet protection type D 4 each	\$ _____/ each	\$ _____
No. 4	Terrace restoration 3000 square feet	\$ _____/sq. ft.	\$ _____
No. 5	Traffic Control	\$ _____/each	\$ _____

TOTAL Items 1 through 5: \$ _____

_____ Dollars

Work shall be completed by SEPTEMBER 29, 2017 or liquidated damages of \$250.00 per calendar day will be assessed.

TOTAL WORK UNITS A & B: \$ _____

PROPOSAL
Sidewalk Replacement Program
Project Number 4-17

The undersigned hereby declares that he has examined the plans and specifications showing and describing the work to be performed under this contract and is familiar with all the work that is to be performed, materials that must be furnished, local conditions, and that the bid is made in accordance with the specifications, and he will perform the work for the following sums.

The undersigned agrees to start the work embraced in this bid within ten (10) days after receiving written notification from the Owner to commence work.

If the undersigned be notified of the acceptance of this proposal within thirty (30) days after the date of opening bids, the undersigned agrees to execute a contract for the above work for the above stated compensation on the form included in the contract documents attached hereto.

There is enclosed with this proposal a _____.
(Certified Check or Bond)

I hereby certify that all statements made herein are on behalf of _____

_____,
(Name of Corporation, Partnership or Individual)

a corporation organized and existing under the laws of the State of Wisconsin; a partnership consisting of _____; or an individual trading as _____, of the City of _____,

State of _____, and that I have full authority to make such statements and submit this proposal in (my) (its) (their) behalf.

Signature

Title

CONTRACT
Sidewalk Replacement Program
Project Number 4-17

This contract, entered into this _____ day of _____, 2017, by the CITY OF KAUKAUNA hereinafter called the Owner; and _____, a Corporation organized and existing under the laws of the State of Wisconsin. A Partnership consisting of _____, an Individual doing business as _____ of the City of _____, in the State of _____, hereinafter called the Contractor, witnesseth that the parties hereto do mutually agree as follows:

1. **Statement of and Payment:** All labor and materials, and perform all work required for City of Kaukauna Project 4-17, "Sidewalk Replacement Program" for the consideration of See Attached Schedule of Prices

in strict accordance with this contract, the proposal as accepted General conditions of Project 4-17 contract, Specifications and Drawings numbered NONE all of which are made a part hereto and designated as follows: City of Kaukauna Project 4-17, "Sidewalk Replacement Program"

2. **Commencement and Completion of Work:** The Contractor agrees to commence work on the date given in a notice by the Owner and to complete the work, by September 29, 2017, the date set forth in such notices. In the event of default by the Contractor in failing to timely complete the work, the Owner shall either take charge of the project or authorize the surety to do so and the project shall be completed at the contractor's and surety's expense.
3. **Payment by Contractor:** The Contractor agrees to pay all claims for work or labor performed and materials furnished under this contract in accordance with Section 779.14, Wisconsin Statutes.
4. **Contractor Liability:** Contractor shall be liable for any damage caused by his failure to maintain barriers and lights to prevent accidents on obstructed streets or sidewalks per Section 62.15 (11).
5. The Contractor will provide to the Owner proofs of insurance, of the types and amounts as set forth in the attached Insurance and Liability document, for itself and for any subcontractors on this project. The Contractor will "hold harmless owner for any and all claims or causes of action arising out of the errors or omissions of the contractor or any sub-contractors in the performance of this project.
6. **Alterations:** The following changes were made in this Contract before it was signed by the parties hereto: _____

In Witness Whereof, the parties have executed this agreement as of the day and year first written above.

_____(SEAL)
Contractor (Individual, Partnership or Corporation Name)

By (Title If Any) Date

Two Witnesses:

(Street, City and State Address)

(Street, City and State Address)

CORPORATE CERTIFICATE

I, _____, certify that I am the _____
of the Corporation named Contractor herein; that _____ who signed this
Contract on behalf of the Contractor, was then _____ of said
Corporation; and that such Contract was duly signed for and on behalf of said Corporation by authority of
its governing body.

Secretary

CITY OF KAUKAUNA

Eugene J. Rosin, Mayor

Susan J. Duda, Clerk/Treasurer

Approved as to form:

Kevin Davidson, City Attorney

Date

Provision has been made to pay the liability that will accrue under this Contract.

City Comptroller or other such official acting as such.

Date

ACKNOWLEDGMENT

Personally came before me this _____ of _____, 20 _____, the above named Eugene J. Rosin, Mayor and Susan J. Duda, City Clerk/Treasurer, to be known to be the persons who executed the foregoing instrument and acknowledge the same.

Notary Public, Outagamie County, Wisconsin
My Commission Expires _____

PERFORMANCE AND PAYMENT BOND
Sidewalk Replacement Program
Project Number 4-17

Know all men by these presents, that we, _____
as Principal; and _____ as Surety, are held and firmly bond unto (the)
_____ hereinafter called
the Owner, in the penal sum of _____

_____ Dollars,
lawful money of the United States for the payment of which sum well and truly be made, we bind
ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by
these presents.

This condition of obligation is such that whereas the Principal has executed attached agreement dated
_____, for _____ City of Kaukauna Project 4-17, "Sidewalk Replacement
Program"

Now therefore, if the attached Agreement is executed on behalf of the Owner, and if the Principal shall
well and truly perform and fulfill all the undertakings, covenants, terms and conditions of said Agreement
that may hereafter be made, shall promptly make payment to all persons supplying the Principal with
labor and materials in the prosecution of the work provided for in said Agreement and any such
authorized extension or modification thereof then, this obligation is to be void; otherwise to remain in full
force and virtue.

And the said Surety, for value received, hereby stipulates and agrees that no change, extension of time,
alteration or addition to the terms of the Agreement or to the work to be performed hereunder on the
specifications accompanying the same shall in any way affect its obligations on this bond, and it does
hereby waive notice of any such changes, extension of time, alteration or addition to the terms of the
Agreement to work or to the specifications.

In witness thereof the above bonded parties have executed this instrument in _____ original
counterparts, under their several seals this _____ day of _____, _____, the
name and corporate seal of each corporate party being hereto affixed and those presents duly signed by
its undersigned representative, pursuant to authority of its governing body.

In the presence thereof:

(Contractor)

(SEAL)

(Business Address)

BY: _____
(Corporate Officer)

(Surety)

(Business Address)

Attest:

(Attorney in Fact)

(Affix Corporate Seal)

Approved _____, 20 ____.

Mayor

NOTE: This bond must be approved and the approved date in every case (refer to Section 779.14, Wisconsin State Statutes 1981 -1982). The Title of the person signing must be indicated and his Power of Attorney attached.

INSURANCE AND LIABILITY
Sidewalk Replacement Program
Project Number 4-17

The Contractor shall not commence work under a contract until he has obtained all insurance required under this paragraph and has filed a certificate thereof with the Owner, the Contractor shall not allow a sub-contractor to commence work until all similar insurance required has been so obtained and filed.

A. Workers Compensation Insurance Statutory coverage as required by Chapter 102 of the Revised Statutes of the State of Wisconsin, for 1971, and all employees of the Contractor. All sub-contractors and material men shall furnish to the Contractor and the Owner evidence of similar insurance for all their respective employees unless such employees are covered by the protection afforded by the Contractor.

B. Comprehensive General Liability and Property Damage Insurance - Coverage to include operations; Contractor's protective insurance; products coverage and completed operations; contractual coverage; underground coverage; all subject to the following limits:

Bodily Injury	\$1,000,000 per person \$1,000,000 per occurrence \$2,000,000 per aggregate
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Property Damage	\$250,000 per occurrence \$250,000 per aggregate
-----------------	---

C. Comprehensive Automobile Liability and Property Damage- Operations of owned, hired and non-owned motor vehicles:

Automobile Liability and Property Damage	\$1,000,000 combined single limit
---	-----------------------------------

D. Umbrella Policy \$1,000,000 each occurrence

E. The Contractor shall file a certificate of insurance containing a ten (10) day notice of cancellation. **Further, the City of Kaukauna shall be named as an additional insured on the policy per paragraph "B" above and any umbrella policy. Said insurance shall provide additional insured coverage on a primary and non-primary contributory basis.**

PRE-QUALIFICATION STATEMENT

Submitted to: _____ Date Filed: _____

Project: _____

NOTE: If the municipality, board, public body, or officer, is not satisfied with the sufficiency of the answers to the questionnaire and financial statement, the bid may be rejected or disregarded or additional information may be required. (Sec. 66.29 (4), Stats.)

Complete all of the following items; if not applicable, print N/A.

1. Name of bidder _____

2. Bidder's Address _____

3. Any questions regarding information provided on this form should be directed to :

Telephone Number (_____) _____ FAX (_____) _____

E-Mail Address _____

4. Type of Organization (check one):

Corporation _____ Partnership _____ Individual _____ Joint Venture _____

Other _____ If other, attach a brief statement describing the organization.

5. When Organized? _____

6. If a corporation, when and where incorporated _____

7. Attach a statement listing the corporate officers, partners, or other principal members of your organization and detailing the background and experience of the principal members of your personnel, including the officers.

8. How many years has your organization been engaged in the contracting business under the present firm name? _____

9. General character of work performed by your firm _____

10. Attach a list of contracts on hand, for both public and private construction, including for each contract: the class of work, the contract amount; the percent completed; the estimated completion date; and the name and address of the owner or contracting officer.

11. Has your organization ever defaulted on a contract or failed to complete any work awarded to it? _____. If so, attach a statement explaining where and why.
12. Has any officer or partner of your organization been an officer or partner of some other organization within the past five (5) years that failed to complete a construction contract during that period? _____. If so, attach a statement indicating the name of individual, other organization, and reason therefore.
13. Has any officer or partner of your organization within the past five (5) years failed to complete a construction contract handled in his or her own name? _____. If so, attach a statement indicating the name of individual, name of owner, and reason therefore.
14. Has your organization, any of its owners, a subsidiary or corporate parent, or any officer or director thereof, been convicted in the last three (3) years of violating Sec. 133.03, Wisconsin Statutes (Unlawful Contracts: Conspiracies)? _____. If so, indicate:
- (a). The date _____ (b). Claimant _____
- (c). Claimant's mailing address _____
- (d). Attach a statement reciting the particulars of each such violation.
15. Attach a list of the major projects your organization has completed within the past three (3) years, including for each project: the class of work; the contract amount; the completion date; and the name and address of the owner or contracting officer.
16. Attach a list of major equipment available to your organization for the proposed work.
17. Attach a statement of your organization's experience in the construction of work similar in nature and importance to this project.
18. Credit available _____
- Attach a letter from your financial institution(s) advising line credit for your organization.
19. Name of Bond Company, and agent's name, address and telephone Number: _____
20. Financial Statement:
- Condition at close of business on _____, _____.

Assets

a. Cash \$ _____

b. Accounts Receivable \$ _____

c. Real Estate Equity \$ _____

d. Materials in Stock \$ _____

e. Equipment, Book Value \$ _____

f. Furniture and Fixtures, Book Value \$ _____

g. Other Assets \$ _____

TOTAL ASSETS \$ _____

Liabilities

h. Accounts, Notes, and Interest Payable \$ _____

i. Other Liabilities \$ _____

TOTAL LIABILITIES \$ _____

NET WORTH \$ _____

21. Additional information may be submitted if desired.

Dated at _____ this _____ day of _____, _____.

Name of Organization _____

By: _____

Title: _____

State of _____)
County of _____)ss

_____ being duly sworn
says that he is _____ of _____
and that the answers to the foregoing questions and all statements contained herein and in the
attachments are true and correct.

Signed _____

Subscribed and sworn to before me this _____ day of _____, _____.

_____ Notary Public

My Commission Expires: _____





Google Earth

feet
meters

1000
500



WORK UNIT B