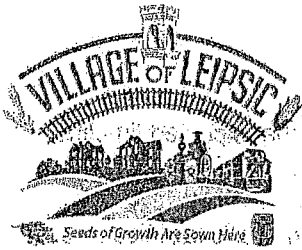


Sources and Uses

This section will show needs lined up with financial resources. As the projects are fully vetted this section will be filled in.

Recommendations to Council

Further bullet points of recommendations will be determined by the Streets, Buildings and Sidewalks Committee.



142 E. Main Street
Leipsic, Ohio 45856
P: (419) 943-2009
F: (419) 943-2010
E: Village@Leipsic.com

Sidewalk Study Committee Recommendations

Prepared by: Members of the Streets, Sidewalks and Buildings Standing Committee

Topic Description: Recommendations Following the Sidewalk Study Committee

Background: The Streets, Sidewalks and Buildings standing committee was directed by Council and the Mayor to review the findings of the Sidewalk Study Committee and make recommendations. Herein you will find the official recommendations.

Leipsic Walks Grant and Board

- The Leipsic Walks Grant was offered on a pilot basis in 2017. It received several successful applications in a short period of time. The timing did not allow any recipients to use the funding in 2017. In 2018, council reauthorized the grant funding for the Church of the Nazarene, which received approval for the grant in 2017. Those funds resulted in nearly 300 LF of new private sidewalk being installed. This will be an effective tool to encourage voluntary compliance and assist those unable to comply otherwise to participate in the connections with the rest of the community. The new program will be established for an extended period of time allowing for proper planning and use during the winter months and concrete work in the spring.
- The Leipsic Walks Board will be created for work during the new push for sidewalks. This Board will serve several purposes. They will be directly involved with the grant awarding process to ensure the funds are used in the most effective manner. They will examine applications and make recommendations to council for awarding the grant. This board will also serve as the go to board for any situations that need a review board during the period of increased attention to sidewalks in the community.

Adopt Sidewalk Standards and Permitting

- If a resident wants to install sidewalks, the 1913 law outlines what an appropriate sidewalk should be. The Village of Leipsic needs to update this law for any new sidewalk to be installed, sidewalk expectations have been developed by Bockrath and Associates and can be upheld if adopted formally.
- These standards will guide the issuance of sidewalk construction permits by the zoning administrator. Current sidewalks are issued a zoning permit for installation. The new permit would be designed more appropriately for sidewalks. It would be no longer than a page and any appeals of the zoning administrator's decision would be referred to the Leipsic Walks Board for review. This board would handle these appeals during the six year enforcement process. After the first push of enforcement these responsibilities could be moved to the board of zoning appeals.

Establish Enforcement Over Six Years

- Use the system proposed by the sidewalk study committee to enforce the repair of bad sidewalks and construction of new sidewalks over a six year period with six areas. The



ORDINANCE _____

AN ORDINANCE AUTHORIZING THE ADMINISTRATOR TO OPERATE THE LEIPSIC WALKS GRANT PROGRAM IN COLLABORATION WITH THE LEIPSIC WALKS BOARD TO BE CREATED HEREIN IN REGARDS TO THE VILLAGE OF LEIPSIC, PUTNAM COUNTY, OHIO.

Whereas, The Village of Leipsic Council has reviewed the need for this matter in relation to the responsibilities of the Village in accordance with state and federal law and determined this action is needed and appropriate; and

Whereas,, the sidewalk study committee made recommendations that support the creation of a grant program and board to further facilitate improved sidewalks in Leipsic; and

Whereas, all deliberations of this matter have been handled before this council in meetings open to the public:

NOW, THEREFORE, BE IT ORDAINED by the Council of the Village of Leipsic, Putnam County, Ohio that:

Section 1: The Administrator is hereby authorized to operate the Leipsic Walks Grant Program in collaboration with the Leipsic Walks Board per the guidelines established in Exhibit A. The Leipsic Walks Board shall recommend grant recipients to council and weigh-in on any matters of contention prior to council.

Section 2: The Leipsic Walks Board is hereby established, consisting of one (1) at large appointee of the Mayor whom is a resident of the Village, not on council or a full-time employee of the Village, one (1) appointee of the President of Council whom is a resident of the Village and not on council or a full-time employee of the Village, the Chairman of the Streets, Sidewalks and Buildings Committee, the President of the Arbor Commission, the Chairman of the Board of Zoning Appeals.

Section 3: The Village Administrator shall serve as a secretary for Leipsic Walks Board and work to bring matters before the Board in accordance with this and other Village laws.

Section 4: This ordinance shall take effect and be in force from and after its passage and approval by the Mayor at the earliest period allowed by law.

PASSED: _____

Approved: _____

MAYOR

Attested: _____

FISCAL OFFICER

PRESIDENT OF COUNCIL

Leipsic Walks Sidewalk Grant Program

Background: The Village of Leipsic is a strong community with many amenities to offer residents. The residents can get to those amenities by car or bike and by walking. At times sidewalk conditions make walking travel more difficult especially for persons with handicaps.

In 2018, the sidewalk study committee issued a report recommending the Village operate a voluntary compliance program called Leipsic Walks. The goal of the program is to provide incentive to residents of town to voluntarily act, in addition it will provide a source for funds to place sidewalks in areas where property owners may be economically unable to meet the enforcement schedule or other challenges make the lot abnormal in size or scope. The funds for the program are established from the general fund in the annual budget and can be aided by outside grant dollars when applicable.

The committee suggested this program be used to manage any potential low costs loans that could be available and assessment programs. The Leipsic walks board is recommended to serve as the recommendation body with approval of all recommendations being made by the Village Council.

Leipsic Walks Grant Program:

Bulk Pricing: Town lots run from about 50 linear feet to 150 feet accounting for most corner lots. With special rates, the Village can organize concrete for grant applicants that would make the concrete price non-dependent on contractor rates or bulk pricing. The Village handles the negotiation and locks in the rate for everyone including self-installers.

Grant: The Leipsic Walks Board will recommend the price per linear foot of sidewalk poured on street right-of-way on an annual basis to Council for approval, after the administrator has secured annual concrete pricing. As a reference in 2016, Class C concrete was \$108 per cubic yard and the comparable grant amount was \$5 per linear foot. This made the grant nearly cover the price of the concrete.

Skin in the Game: Sidewalks are a community wide benefit and all residents will benefit from new sidewalks. The Village maintains an expectation that residents have skin in the game. The Leipsic Walks Grant Program will only fund a portion of these costs for any resident. All grants should be based on an amount per linear foot. Should the board wish to provide higher grant support to property owners with certain situations, annually a linear foot price should be established for those described properties that is extended to all properties that meet the same qualifications.

Any applicant who applies for the grant shall have access to the bulk pricing arrangement only for sidewalks they pour in the street right-of-way regardless of the outcome of their grant application.

Grants will be awarded based on a points structure established by the Village Administrator, reviewed by the Leipsic Walks Board and annually approved by Council.

All grants will be paid directly to the concrete supplier upon completion of a request from the concrete supplier.

Leipsic Walks Sidewalk Grant Program Specifications

Eligibility: All property owners intending to complete a sidewalk project in the street right-of-way are eligible to apply for the grant. Proper grant application immediately qualifies the applicant for the special bulk concrete pricing for concrete poured in the public right-of-way for sidewalk projects. *This pricing may not be applicable for short loads unless there is an ability to pool several property owners into a group for pouring at one time.*

Proper Notification: The Village Administrator shall provide appropriate time for public notice of this grant opportunity and shall establish a definitive deadline for grant applications to be eligible for public funding. That date shall be no less than 30 days from an initial publication in the local newspaper of record.

Grant Recipient Selection: Grant recipients shall be selected based on eligibility and according to those scoring highest on a rubric. Scoring may be completed by the Village Administrator with approval of the Leipsic Walks Board or by the Leipsic Walks Board in a public meeting. Grants shall not be awarded without approval from the Village Council.

Grant Amounts: All grants shall be in accordance with an amount per linear foot as established annually by the Leipsic Walks Board with approval by the Village Council. The measurement will consist of sidewalk poured in the public right-of-way for sidewalk installation. This distance shall be verified by the Village Administrator.

Approved Sidewalk Installers: No grant applicant is eligible for grant funds or extension of bulk concrete pricing if they are not using an approved sidewalk installer or installing the sidewalk themselves in accordance with the Village sidewalk specifications. Contractors not already approved, will be approved on a rolling basis upon completion of an application and the findings of the Village Administrator that the contractor is qualified to complete the work in accordance with the specifications of the Village.

The Village's approved sidewalk installer list does not indicate any expectation of quality or work guarantee. It is the responsibility of property owners to check all contractors for qualifications before contracting with them for any work. This program only indicates that the installer understands how the Leipsic Walks Program works.

Leipscic Walks Sidewalk Grant Program Rubric

Topic	One	Two	Three	Four	Five	Score
Economic Means Test	This application is complete but is not LMI and or has not demonstrated an extenuating circumstance in writing.	N/A	While not low to moderate income, demonstrates an extenuating circumstance in writing.	N/A	This property owner is considered low to moderate income and lives in this property.	
High Foot Traffic Area (A School, Commercial Business, Church or Government Building or Park)	This projects nearest point is 3000 feet or more from the nearest high foot traffic area.	This projects nearest point is between 2999 and 1,000 feet from the nearest high foot traffic area.	This projects nearest point is between 999 and 500 feet from the nearest high foot traffic area.	This projects nearest point is between 499 and 200 feet from the nearest high foot traffic area.	This projects nearest point is between 199 and 0 feet from the nearest high foot traffic area.	
Scope of Project	Project is poorly planned and not prepared for action.	Not all problematic areas on the property will be fixed.	This is a new sidewalk project that pours sidewalk in many areas it is needed but not the entire distance of the property.	This is a repair project that properly repairs all sidewalks needing repaired but leaves old concrete where it remains in good condition.	This is a new section or complete repair of the sidewalk on the entire right-of-way of the property.	
Actionable Status	Going to be a little ways off and likely have a cold-weather charge.	Will be ready to pour this year but not within a month.	Will be ready to pour within a month of the grant award.	Well organized will be ready to pour within a week of the grant award.	Ready to pour immediately.	
Score/Total						_/_/20



Leipsic Walks Sidewalk Grant Program Application

Name: _____ Phone: _____ Email: _____

Address: _____

Construction Address: _____

Have you completed a sidewalk construction permit if needed: Yes: _____ No: _____

- 1.) Describe your project:
- 2.) Include at least one picture showing the need for new sidewalk or sidewalk repair:
- 3.) Name the nearest schools, churches, government buildings, parks or commercial properties to this project.
- 4.) How many linear feet of concrete is being poured. (Important number, this directs the grant amount. Which is based on \$5 per linear foot.)
- 5.) Describe how quickly you can complete this project. (ie: is it ready to be poured or will it be a few weeks before you can pour it.)
- 6.) Attach your most recent annual Village or Federal Income Tax Filing and a **written explanation of any financial hardships making sidewalk installation financially difficult.** (The program may include a needs based evaluation).
- 7.) Expected project completion date: ____/____/20____
- 8.) Who is your approved sidewalk installer? (if self, "self")

The Village's approved sidewalk installer list does not indicate any expectation of quality or work guarantee. It is the responsibility of property owners to check all contractors for qualifications before contracting with them for any work. This program only indicates that the installer understands how the Leipsic Walks Program works.

Leipsic Walks Approved Sidewalk Installer Application

Name: _____ Phone: _____ Email: _____

Business Name: _____

Address: _____

Approved Sidewalk Installers: No grant applicant is eligible for grant funds or extension of bulk concrete pricing if they are not using an approved sidewalk installer or installing the sidewalk themselves in accordance with the Village sidewalk specifications. Contractors not already approved, will be approved on a rolling basis upon completion of an application and the findings of the Village Administrator that the contractor is qualified to complete the work in accordance with the specifications of the Village.

Describe Your Purpose for Applying:

Describe Experience Qualifying You to Install Sidewalks:

List three references, and contact information, whom can attest to work you have completed for them:

- 1.)
- 2.)
- 3.)

Agreement: By completing this application the sidewalk installer acknowledges negotiated pricing received by the Village from K and L Ready Mix for the benefit of Leipsic residents and the replacement of sidewalks in the public right-of-way. The sidewalk installer will not use this special priced concrete for any purpose other than sidewalk in the public right-of-way. The sidewalk installer will not make profit or gain in anyway as a result of this negotiated pricing and will only charge Leipsic residents in this program for labor associated with the sidewalk installation project.

Signed

Name

Village Use:

References Checked: YES ____ NO ____

Approved: _____
Village Administrator Signature

The Village's approved sidewalk installer list does not indicate any expectation of quality or work guarantee. It is the responsibility of property owners to check all contractors for qualifications before contracting with them for any work. This program only indicates that the installer understands how the Leipsic Walks Program works.



Leipsic Walks Permit to Install

Name: _____ Phone: _____ Email: _____

Address: _____

Construction Address: _____

- 1.) Describe your project: _____
- 2.) Include at least one picture showing the current condition of the place you are installing new or repairing sidewalks.
- 3.) Provide some form of proof of ownership of this parcel (Putnam GIS, Deed Etc.)
- 4.) How many linear feet of concrete is being poured?
- 5.) Do you and or your contractor plan to follow the specifications listed out in the "Village of Leipsic Sidewalk Construction Standards" ____ Yes ____ No
- 6.) Expected project completion date: ____/____/20____
- 7.) Who is your approved sidewalk installer? (If self, "self")

The Village's approved sidewalk installer list does not indicate any expectation of quality or work guarantee. It is the responsibility of property owners to check all contractors for qualifications before contracting with them for any work. This program only indicates that the installer understands how the Leipsic Walks Program works.

FOR VILLAGE USE:

Approved: _____ Date: ____/____/____ Reason Rejected: _____



Leipsic Walks Appeal

Name: _____ Phone: _____ Email: _____

Address: _____

Construction Address: _____

1.) Describe your project:

2.) Do you and or your contractor plan to follow the specifications listed out in the "Village of Leipsic Sidewalk Construction Standards" Yes No

3.) Please describe why you feel the determination of the Administrator is not valid due to a misinterpretation or procedural error, or why you feel another solution may be needed in order to achieve a common-sense solution for sidewalks on your property.

FOR VILLAGE USE:

Chairman of the Leipsic Walks Board: _____ Date: __/__/__

Approved Denied

Reason Rejected:



ORDINANCE

AN ORDINANCE AUTHORISING THE ADMINISTRATOR TO ISSUE PERMITS FOR THE INSTALLATION OF SIDEWALKS IN ACCORDANCE WITH VILLAGE OF LEIPSIC SIDEWALK CONSTRUCTION STANDARDS IN REGARDS TO THE VILLAGE OF LEIPSIC, PUTNAM COUNTY, OHIO.

Whereas, The Village of Leipsic Council has reviewed the need for this matter in relation to the responsibilities of the Village in accordance with state and federal law and determined this action is needed and appropriate; and

Whereas,, the Sidewalk Study Committee recommends the update of the sidewalk standards currently law from 1913, with a special sidewalk permitting program; and

Whereas, all deliberations of this matter have been handled before this council in meetings open to the public.

NOW, THEREFORE, BE IT ORDAINED by the Council of the Village of Leipsic, Putnam County, Ohio that:

Section 1: The Village of Leipsic adopt the standards enclosed herein as Exhibit A and entitled "Village of Leipsic Sidewalk Construction Standards" as the only standards for enforcing sidewalk regulations on new sidewalk construction and repair of sidewalks in the Village of Leipsic.

Section 2: The Administrator shall review applications for Permits to Construct Sidewalks in the Village of Leipsic and only issue said permits if the plans are in accordance with this ordinance, there shall be no fee charged for these permits, before anyone constructs or repairs a sidewalk in the Village they must first have said permit.

Section 3: This ordinance shall take effect and be in force from and after its passage and approval by the Mayor at the earliest period allowed by law.

PASSED: _____

Approved: _____
MAYOR

Attested: _____
FISCAL OFFICER

PRESIDENT OF COUNCIL

Exhibit A

Village of Leipsic

Sidewalk Construction Standards

Authority
Leipsic Code of Ordinances
Chapter 94: Streets & Sidewalks

Village of Leipsic
142 East Main St.
Leipsic, Ohio 45856
(419) 943-2009

Prepared By:

Bockrath &

Associates

Engineering and Surveying, LLC

115 S. Fair Avenue, Suite A - Ottawa - Ohio 45875

Phone: 419.523.5789

TABLE OF CONTENTS

Village of Leipsic Sidewalk Construction Standards

- 1) Public Sidewalk Repair Policy
- 2) Specifications for Public Sidewalk Construction
- 3) Sidewalk Standard Drawing
- 4) Concrete Mix Designs
- 5) Permit Application for Sidewalk Construction
- 6) ODOT Standard Drawings (or most current)
- 7) Leipsic Code of Ordinances Chapter 94

Village of Leipsic

Public Sidewalk Repair Policy

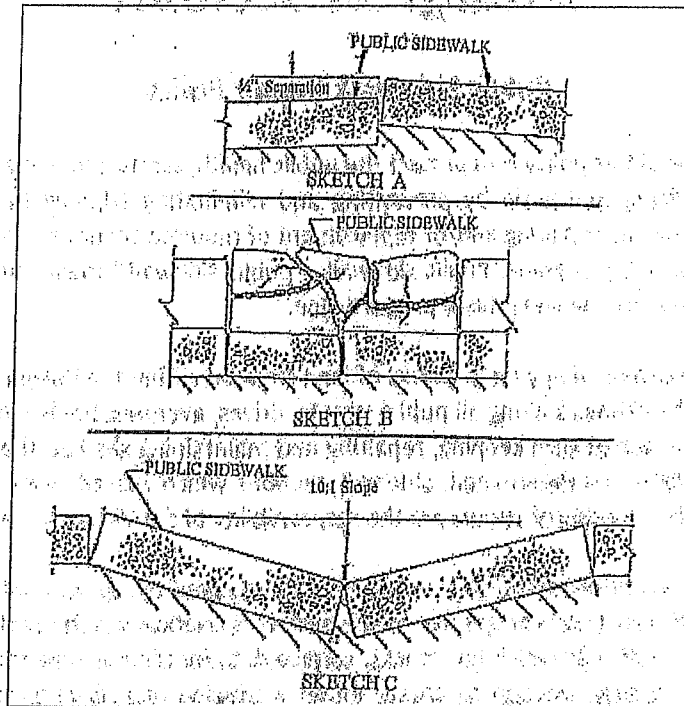
Purpose - The purpose of this policy is to protect the public health, safety and welfare of the citizens and inhabitants of the Village of Leipsic by preventing and eliminating tripping hazards on the public sidewalks to pedestrians, by repairing and/or replacement of required sections of sidewalks, to achieve, as close as possible, a uniform grade. Public sidewalk - "public sidewalk" means any main or approach sidewalk, between the curb line and private property line.

Responsibility - Every owner of any lot or parcel of land situated within the Village of Leipsic shall keep, repair and maintain the sidewalk along all public streets, drives, avenues, boulevards or lanes adjoining such lot or parcel. The cost of such keeping, repairing and maintaining shall be the responsibility of the individual owner or Village as determined. Sidewalk sections which extend from existing sidewalks to the curb to facilitate the crossing of streets are the responsibility of the Village of Leipsic.

Determination factor - A public sidewalk is required to be repaired or replaced when a section(s) has a separation of one-half inch (1/2") or greater in the surface elevation which creates a tripping hazard (See sketch A). Also, a section(s) which has cracks, surface deterioration or separations which create an uneven surface and are large enough to create either a tripping hazard or a possible ankle turning situation must be replaced (See sketch B). Sidewalk sections, which meet with severe slopes or rises, greater than 10:1 shall be repaired as required (See sketch C). Village inspection of sidewalks to identify sidewalks which require repair and/or replacement will be done by walking the designated area and using a one-half inch (1/2") template to measure the amount of separation.

Repair/Replacement - Public sidewalk repair and/or replacement can be accomplished by the following methods:

- 1) Remove the existing damaged section(s) of sidewalk and replace with new section(s) of sidewalk per Village Sidewalk Specifications.
- 2) Raise or lower specific section(s) of sidewalk using compacted berm stone as a subbase for the walk. Sidewalk leveling can also be achieved by concrete leveling contractors who drill holes in sidewalk and pump a concrete or grout mixture under the walk, which raises it and levels the walk.
- 3) Ramping or grinding of sidewalk sections to achieve a uniform grade is prohibited.
- 4) If the section(s) break or separation is not located at a sidewalk joint, then the sidewalk section(s) must be replaced with new sidewalk.
- 5) If a property owner wishes to repair/replace the sidewalk themselves, or hires a contractor to repair/replace the adjacent sidewalk, they must first obtain a sidewalk permit from the Village.
- 6) Sidewalk sections which must be replaced with new concrete must meet the sidewalk specifications of the Village of Leipsic.



Leipsoic Walks Sidewalk Grant Program (if Available)

Eligibility: All property owners intending to complete a sidewalk project in the street right-of-way are eligible to apply for the grant. Proper grant application immediately qualifies the applicant for the special bulk concrete pricing for concrete poured in the public right-of-way for sidewalk projects. *This pricing may not be applicable for short loads unless there is an ability to pool several property owners into a group for pouring at one time.*

Grant Recipient Selection: Grant recipients shall be selected based on eligibility and according to those scoring highest on a rubric determined by the Village Administrator, that has been approved by Village Council. Grants shall not be awarded without approval from the Village Council.

Grant Amounts: All grants shall amount to \$5.00 five-dollars per linear feet of sidewalk poured in the public right-of-way for sidewalk installation. This distance shall be verified by the Village Administrator.

Approved Sidewalk Installers: No grant applicant is eligible for grant funds or extension of bulk concrete pricing if they are not using an approved sidewalk installer or installing the sidewalk themselves in accordance with the Village sidewalk specifications. Contractors not already approved, will be approved on a rolling basis upon completion of an application and the findings of the Village Administrator that the contractor is qualified to complete the work in accordance with the specifications of the Village.

Village of Leipsic

Specifications for Sidewalk Construction and Repair

NOTE: A permit is required to construct or reconstruct sidewalks in the Village of Leipsic.

1. Sidewalk Standards

- Sidewalk width shall match existing and adjacent sidewalk and be four (4) inches thick, except at drive approaches. Across residential drive approaches, sidewalks shall be six (6) inches thick.
- Sidewalks shall slope toward the street one quarter inch ($\frac{1}{4}$) per foot. Two (2) inches ODOT Item 411 stabilized crushed aggregate, shall be placed under the walk and compacted.

Residential Drive Approaches

All concrete drive approaches shall be six (6) inches thick with four (4) inches of item 304 or item 411 aggregate base. Asphalt drive approaches shall be two (2) inch minimum asphalt with six (6) inch aggregate base compacted.

2. Excavation, Subgrade & Base

Excavate to required depth and to a width that allows installation and bracing of Forms. All soft spongy material shall be removed and replaced with suitable material and compacted until it is firm. Place and compact two (2) inches of ODOT Item 411 stabilized crushed aggregate.

3. Forms

Forms shall be of wood or metal and extend for the full depth of the concrete and shall be of sufficient strength to resist the pressure of the concrete without springing.

4. Reinforcing Steel

Per ACI Code. Deformed Steel Bars size #3 (3/8") and #4 (1/2") or Wire Mesh- 6x6-W2.0x2.0 (8 Gauge or Larger). Clearance between reinforcing steel and surface of the concrete shall not be less than 2-1/2 inches. Note: Fiber Mesh may be added to Concrete Mix to resist shrinkage cracking but does not replace the Reinforcing Steel requirements.

5. Concrete

Sidewalks shall be constructed of Portland Cement Concrete conforming to ODOT Item 499 Specification Class C (600# Cement). ODOT Item 499 Specification Class C Option B (470 # Cement) may be used from May 1st to November 1st. Concrete shall test 4,000 psi compressive strength at 28 days. Concrete shall have a maximum of five (5) inch slump. The amount of air entrained in the concrete shall be six (6) percent. In general, materials shall meet item 608.02 of the State of Ohio Department of Transportation Construction and Materials Specifications, except as otherwise provided herein. Color additives are not permitted.

Do not pour concrete on frozen ground or when temperatures will drop below 32° F.

6. Grade

Any sidewalk constructed or reconstructed shall be constructed or reconstructed on such plane inclination and level so that the wearing surface there of shall be uniform and even throughout its length and width and shall be uniform and even with any adjoining and connecting walk. Grade between curb edge and sidewalk edge, shall slope one-half ($\frac{1}{2}$) inch per foot toward top of curb. Maximum longitudinal grade of sidewalk is 5.0%

7. Placing & Finishing

Immediately before placing concrete, thoroughly moisten the subgrade. The concrete shall be deposited in a single layer. It shall be struck off with a template and smoothed with a float to obtain a sandy texture. No plastering will be permitted. All outside edges and joints shall be edged with a quarter ($\frac{1}{4}$) inch radius edging tool. Finished Concrete must have a broom finish. No Concrete Stamping.

8. Joints

Joints shall be placed at intervals of five (5) feet and shall be perpendicular to the outside edges of the walk. Joint depth shall be one-quarter ($\frac{1}{4}$) the slab thickness. Pre-molded expansion joints of one-half ($\frac{1}{2}$) inch thick shall be placed not more than Fifty (50) feet apart and whenever sidewalk intersect other sidewalks, curbs, drives, etc.

9. Curing

Spray exposed surfaces with a uniform application of curing membrane immediately after finishing surface and free water has dissipated.

10. Sealing

Spray or roll exposed surfaces with a uniform application of Bearcoat Premier or approved equal sealing material to manufactures specifications.

11. Driveways (Residential)

Where there is an existing Portland cement concrete or asphaltic concrete drive in reasonable good condition, the sidewalk may terminate at the edge of such a drive. Where stone or dirt driveways exist or the drive in the area of the sidewalk is not in good condition, then the sidewalk shall be constructed across the driveway and shall be six (6) inches thick. The Village will make the final determination regarding the condition of a drive.

12. Protection of Work

Sidewalks and Driveways under construction shall be barricaded or fenced to protect pedestrians and curing concrete. Damages to uncured concrete are the responsibility of the contractor.

13. Americans with Disabilities Act (ADA) Compliance

All new construction must comply with current ADA Standards for Accessible Design. ADA ramps must be poured 7" thick from the curb extending to the rear edge of the detectable warning pad. Detailed drawings for new curb ramps and combined curb and sidewalk can be found on the world wide web at:

<http://www.dot.state.oh.us/Divisions/Engineering/Roadway/DesignStandards/roadway/Standard%20Construct%20Drawings/BP-7.1.2014-07-18.pdf>

14. Tree Roots

Construction Near Public Trees:

(a) For all trees measuring twelve (12) inches or less DBH (Diameter at Breast Height - Breast height is defined as 4.5 feet (1.37m) above the forest floor on the uphill side of the tree), soil excavation work or root cutting shall not occur closer than three (3) feet from the outer bark of the tree.

(b) For trees measuring greater than twelve (12) inches DBH, soil excavation work or root cutting shall not occur closer than a distance equal to the circumference of the tree measured at a height four feet above ground level or six (6) feet, whichever is less.

(c) Soil excavation work is permitted closer than the distance parameters established in (a) and (b) above provided all excavation of soil is accomplished by hand, shovel, air spade or auger, and no roots greater than two (2) inches in diameter are severed.

(d) If lateral roots greater than two (2) inches in diameter are encountered, they shall be exposed beyond the excavation limits and an attempt shall be made to bend and relocate the roots without breaking them. If such lateral roots are encountered immediately adjacent to the location of new construction and relocation does not appear practical, the Village Administrator or his or her designee shall be contacted.

(e) If, after inspection by the Village Administrator or his or her designee, it is determined that the cutting of roots cannot be avoided, the following standards shall be observed: Roots must be cut sharply and cleanly. The wound shall not be painted or treated. All excavated roots shall be backfilled by hand as soon as possible to prevent drying. If immediate backfilling is not possible, roots shall be covered with peat moss or wet burlap and watered. The tree shall be thoroughly watered by providing the equivalent of one (1) inch of water per week for up to one year at the direction of the Village Administrator or his/her designee.

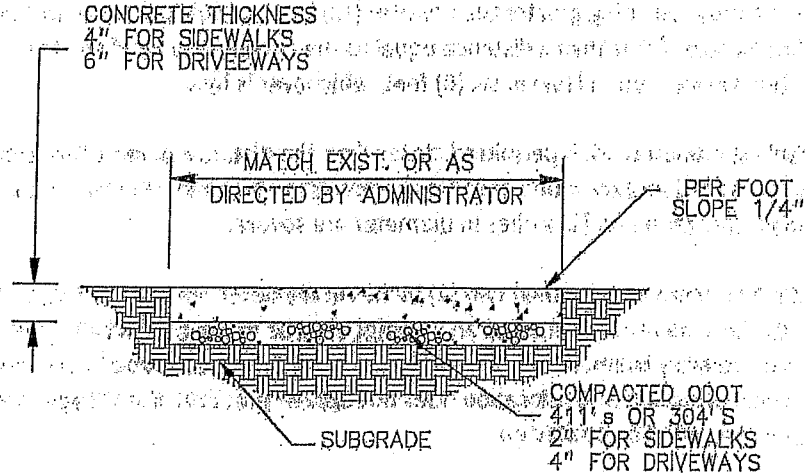
(f) No construction equipment shall be parked and no particulate construction material such as sand, soil or gravel shall be stored on the surface of any unpaved areas within the drip line of any public tree without the express permission of the Village Administrator or his/her designee.

(g) If the removal of a public tree cannot be avoided, or if a public tree does not survive due to construction activities, the owner of the facility to be constructed shall obtain a permit and shall remove the tree at the owner's sole expense. Said owner shall also plant, at the owner's sole expense, a replacement tree of a size, type and at a location approved by the Village Administrator.

NOTE: A permit is required to construct or reconstruct sidewalks in the Village of Leipsic.

Village of Leipsic

Standard Sidewalk Construction Details



EXTERIOR CONCRETE:
THICKNESS - AS INDICATED ON PLANS
TYPE - ODOT CLASS "C"
SPECS TO FOLLOW ODOT CMS
JOINT SPACING - CURB (10' MAX.)
SIDEWALKS (5' MAX.)
FINISH - BROOM W/ TOOLED JOINTS &
EDGES
SEALING - BEARCOAT PREMIER OR
APPROVED EQUAL
REINFORCING - PER ACI CODE
(UNLESS SHOWN OTHERWISE)

CONCRETE WALKS, DRIVES AND CURB RAMPS SHALL BE REINFORCED AND DOWELED INTO THE PROPOSED CURB.

TO CLARIFY, THIS APPLIES TO SIDEWALKS, DRIVE APRONS AND CURB RAMPS. THE REINFORCING SHALL BE A #4 REBAR MAT IN THE CENTER OF THE CAST-IN-PLACE SLAB AT MAXIMUM 4 FOOT ON CENTER AND ALSO THE DOWELS SHALL BE AT MAXIMUM 4 FOOT SPACING. THE DOWELS ALSO SHALL BE #4 REBAR AND PLACED INTO 3/4" DRILLED HOLE INTO THE CURB, SIDEWALK, DRIVE, ETC.

Bockrath &



Associates

Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: (419) 523-5789

DATE: 09/21/17

TO: Bockrath Engineering & Associates

FROM: K&L Ready Mix



PROJECT: Village of Leipsic Sidewalks

DESIGN STRENGTH PSI @ 28 day 4000 4000
MIX DESIGN NUMBER: ODOTCAE ODOTC3
PLACEMENT TYPE: Flatwork Flatwork

MATERIAL	SP. GR.	SSD WT.	SSD WT.
CEMENT	3.15	600	470
FLY ASH	2.66	0	0
GRAN CEM	3.01	0	80
FINE AGGREGATE	2.65	1280	1296
COARSE AGGREGATE	2.67	1741	1782
WATER	1.00	270	250
WATER	gallons	32	30
TOTAL		3891	3878

AIR ENTRAINMENT	%	6	6
SLUMP	MAX	5	5
WATER/CEMENT RATIO	MAX	0.45	0.46
FINE AGGREGATE RATIO	%	0.430	0.423
FINE AGG. MOISTURE	%	2	2
COARSE AGG. MOISTURE	%	0	0
UNIT WEIGHT	lb/cf	144.1	143.6
DESIRED YIELD	cf/cy	27.00	27.00

ADMIXTURE DOSAGE

Con Air ASTM C260	oz/cwt	1.5	1.5
OptiFlo 500 ASTM C494 Type A	oz/cwt	2.0	2.0

MATERIAL	SOURCE	Type
CEMENT	Lafarge Paulding	1
GRAN CEM GGBFS	Lafarge South Chicago Plant	100
FINE AGGREGATE	Weber Sand & Stone Edgerton	N.S.
COARSE AGGREGATE	Putnam Aggregates, Ottawa OH	57'S

Village of Leipsic

142 East Main St.
Leipsic, Ohio 45856

Sidewalk Construction and Repair Permit Application

NOTE: A permit is required to construct or reconstruct sidewalks in the Village of Leipsic and no concrete shall be poured until and inspection has been made of subgrade and formwork.

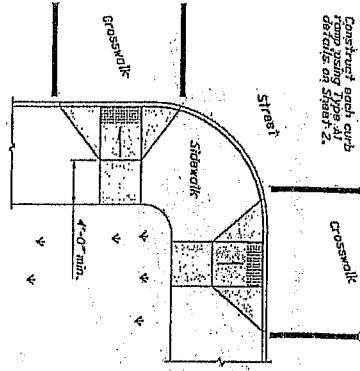
Property Owner _____			
Address of Proposed Sidewalk / Driveway _____			
Mailing Address of Owner (if different) _____			
Phone Number _____			
Legal Description of Property _____			
Concrete Contractor _____	Phone _____		
Sidewalk Construction (circle one)	Replace Existing	New	
Sidewalk Location on Lot (circle one)	Front	Side	Both
Sidewalk Use (circle one)	Residential	Commercial	
Sidewalk Dimensions - Length (ft.) _____	Width (ft.) _____		
Description of Work _____			
Description of Concerns / Obstructions _____			

Village of Leipsic Use Only	
Application No. _____	Date Received _____
Permit Approved By _____	Date _____
Work Completed By _____	Date _____
Inspected By _____	Date _____
Grant Amount Released \$ _____	Date _____

Ohio Utilities Protection Service

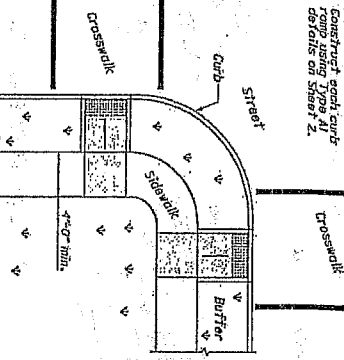


Construct each curb ramp using Type A1 details on Sheet 2.



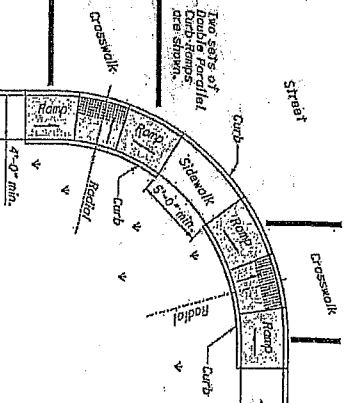
Use curb ramps with flared sides or locations with wide sidewalks.

Construct each curb ramp using Type A1 details on Sheet 2.



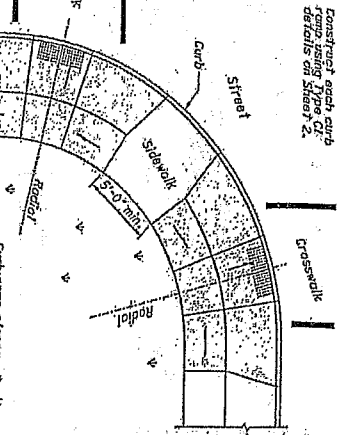
Use curb ramps with returned curbs where buffer is wide enough to accommodate a ramp slope.

Place on streets having wide turning radii; and where sidewalks are narrow.



PARALLEL CURB RAMP

Construct each curb ramp using Type C1 details on Sheet 2.



Curb ramp placement where return curbs are not required and sidewalk width is 12 ft or more.

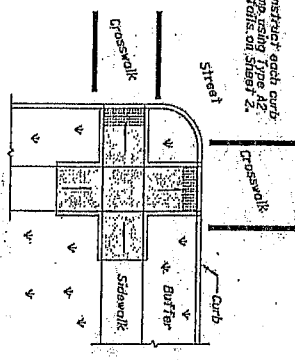
COMBINATION CURB RAMP

PERPENDICULAR CURB RAMP

PREFERRED CONSTRUCTION PLACEMENT

PARALLEL CURB RAMP

COMBINATION CURB RAMP



Construct each curb ramp using Type A2 details on Sheet 2.

NOTES

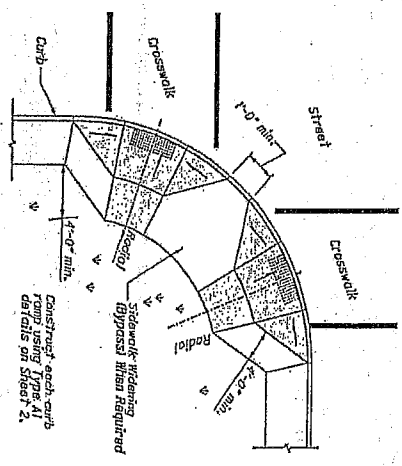
GENERAL: This drawing shows curb ramp details and placement examples for curb ramp construction including the installation of detectable warnings.

Curb ramp types are shown on Sheet 2 and include Perpendicular, Parallel, and Combined Types as specified to be constructed in the locations shown on this project plans.

Curb ramps should be constructed in an existing or new location or where should be individually detailed on the project plans. Curb ramps should be constructed in an existing or new location or where should be individually detailed on the project plans. Curb ramps should be constructed in an existing or new location or where should be individually detailed on the project plans.

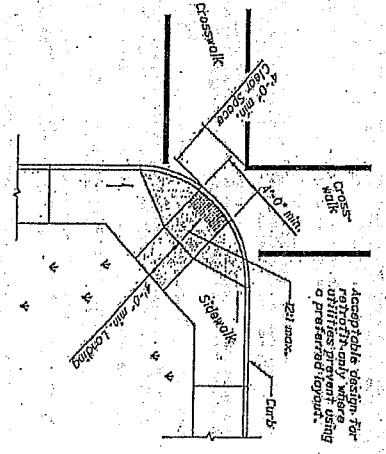
PARALLEL: Minimum and maximum for the ramp design with the shaded limits of this drawing as detectable warnings. Landing areas and any additional materials, installation, grading, marking, and flashing required within the shaded area.

For all grade crossing locations where only detectable warnings are required in order to comply with applicable codes, measures and pay for the strip of detectable warnings as required removal of existing pavement from 2022 to the nearest joint, or 17 m joint exists, a minimum of 4 feet.



Acceptable design on curbs with wide turning radii. The detectable warning strip should be placed on the sidewalk to abut the curb ramp.

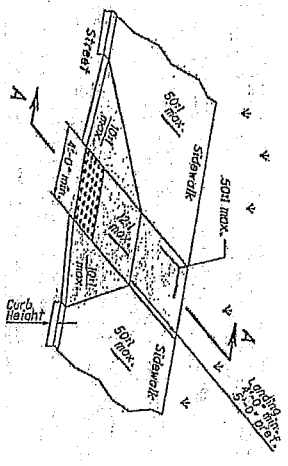
PERPENDICULAR RAMP ACCEPTABLE CONSTRUCTION PLACEMENT



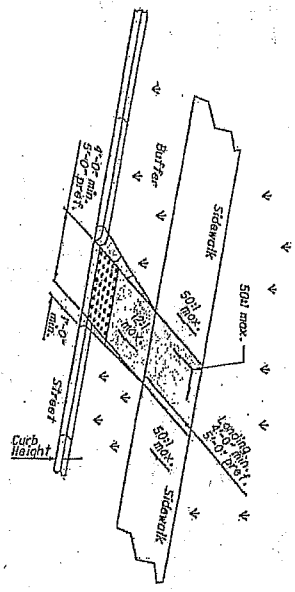
Acceptable design for a ramp with a 45-degree angle to the sidewalk.

DIAGONAL RAMP TYPE D

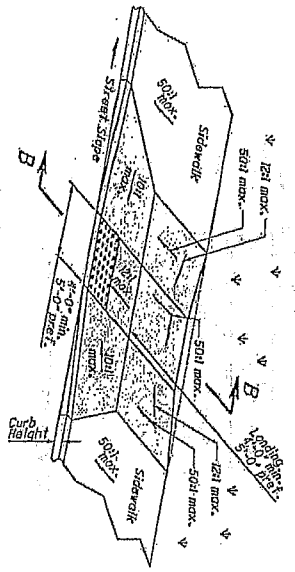
THIS DRAWING REPLACES BP-7.1 DATED 10-15-10.



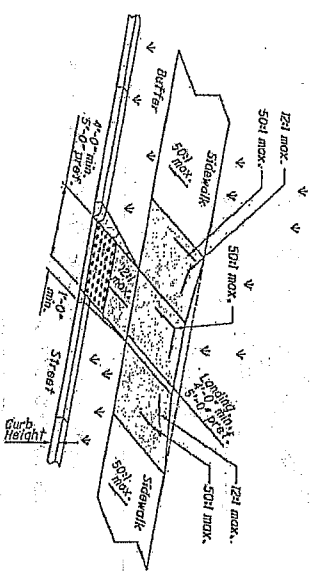
Type A1 (Perpendicular with flared sides)
PERPENDICULAR CURB RAMP DETAILS



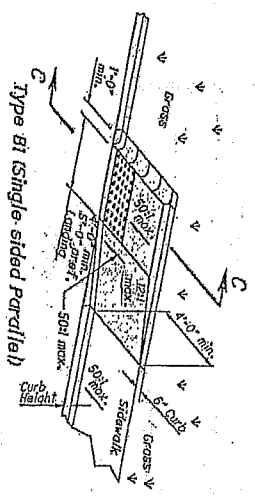
Type A2 (Perpendicular with returned curb)



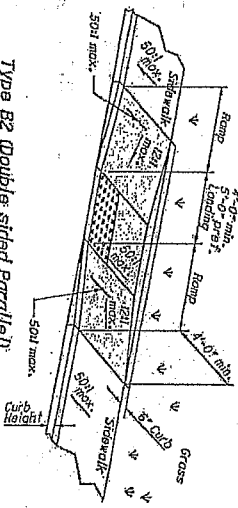
Type C1 (Combined with flared sides)
COMBINED CURB RAMP DETAILS



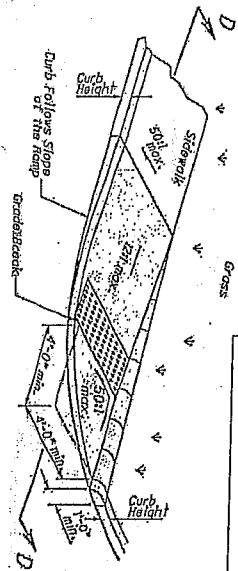
Type C2 (Combined with returned curb)



Type B1 (Single sided Parallel)
PARALLEL CURB RAMP DETAILS.



Type B2 (Double sided Parallel)



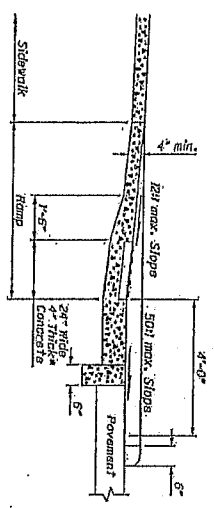
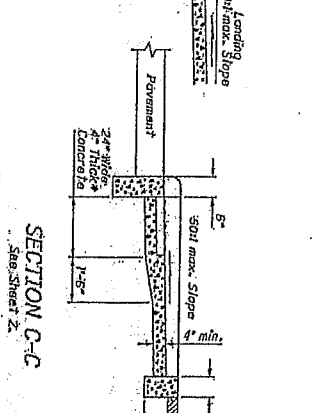
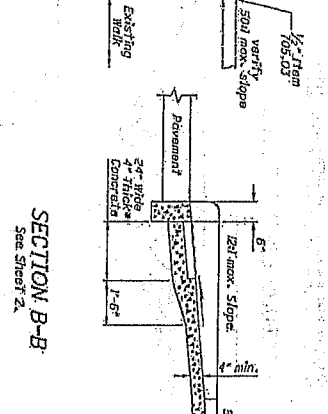
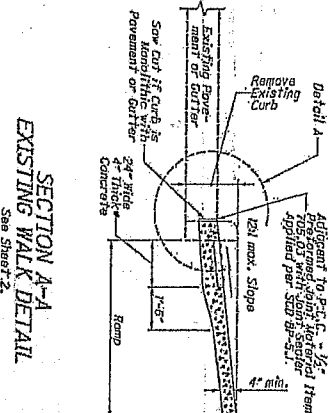
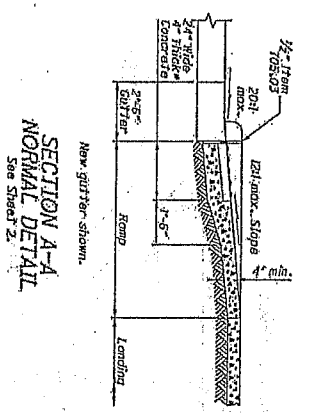
Type B3 (Single sided Parallel)

See Sheet 3 for Sections.

NOTES CONTINUED

- The existing slope of the ramp is preferred to the 5% or flatter. In existing situations, where the maximum ramp slope is not possible due to site reduction as follows:
- A) 1/4" for a max. rise of 5'
- B) 1/2" for a max. rise of 2'-0" for historic areas where a flatter slope is not feasible.
- To prevent churning, the grade immediately to the transition from existing sidewalk to the shaded curb ramp area is not required to exceed 18 feet in length.
- While ramps may be skewed to the crosswalk, the angle of approach must be kept within the crosswalk. The ramp surface and landing are located in the travel lane of opposing traffic.
- The counter slope of the gutter or street of the foot of a curb ramp, landing, or blended transitions shall be 20:1 or flatter.
- The bottom edge of the ramp shall always be perpendicular to the landing. The edges of the curb shall be flush with the edge of the adjacent pavement on the gutter and curbside slopes that meet grade breaks shall be flush. Ramp landings shall be 4' min. x 4' min. with a 50% or flatter cross slope.
- DETECTABLE WARNINGS: Install Detectable Warnings on each curb ramp with an approved material, as shown on Sheet 3. Install these proprietary products as per manufacturer's installation instructions.
- DRAINAGE: Contractor is to ensure the base of each constructed curb-ramp slope or gutter, without exceeding allowable cross slope or ramp surface, and 2' gutter and ramp, are not skewed.
- SURFACE: SETBACK: The curb concrete surface is coarse brooming. Transverse joints are to be rougher than the adjacent walk.
- JOINTS: Provide expansion joints in the curb ramp at extensions of walk joints a 1/2" from 600% requirements for a new concrete curb. Provide existing concrete walks. Lines shown on this drawing indicate joint lines and slope changes, and do not necessarily indicate joint lines.

THIS DRAWING REPLACES BP-7.1 DATED 10-15-10.



Where possible, pour ramp integral with the curb, otherwise use 8" thick walk.

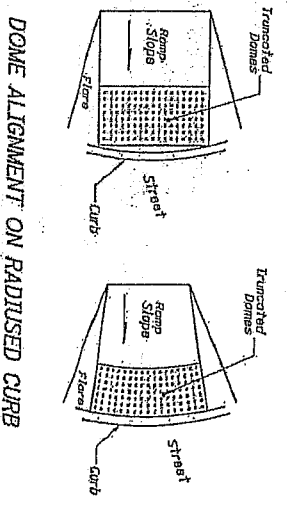
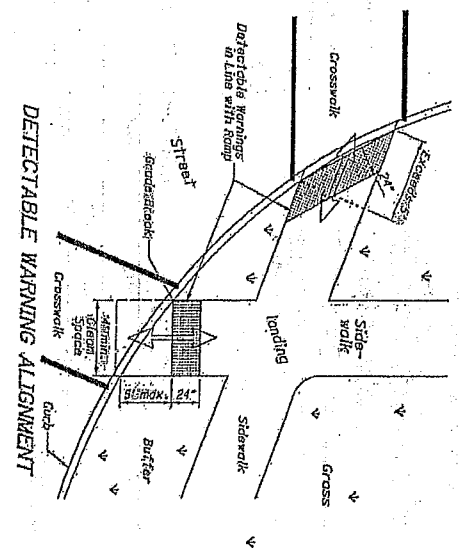
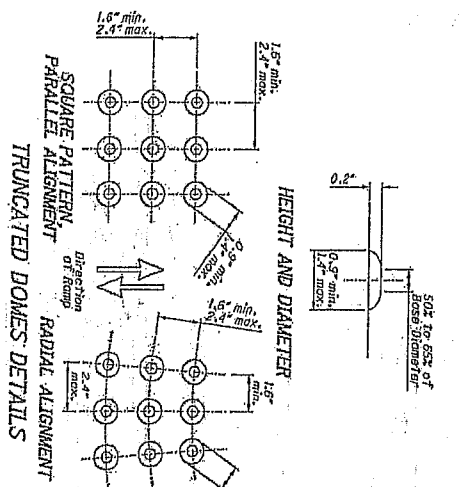
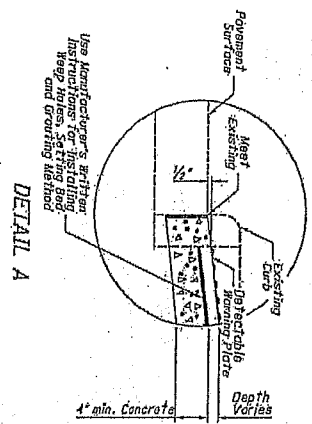
DETECTABLE WARNING NOTES

GENERAL: Detectable warnings are a distinctive, surface pattern of truncated domes which are detectable by cone or underfoot to alert people with vision impairments of their approach to streets and transit stops.

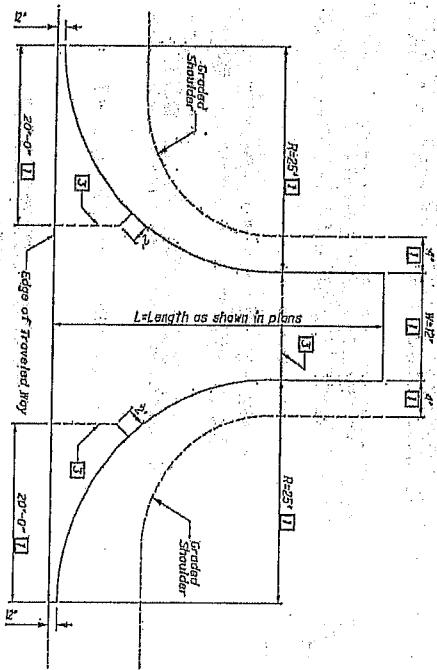
PLACEMENT: Detectable warnings are to be installed at any location where pedestrian safety is a concern. Typical locations include: crosswalks, ramps, and other areas where pedestrians may be crossing a roadway. The depth of concrete underneath detectable warning products shall be a minimum of 4". See DETAIL A.

INSTALLMENT: Truncated domes should be aligned with the primary direction of travel. The depth of the dome should be 1.5" to 2.0". The diameter of the dome should be 2.4" to 3.0". The spacing between domes should be 2.4" to 3.0". The depth of concrete underneath detectable warning products shall be a minimum of 4". See DETAIL A.

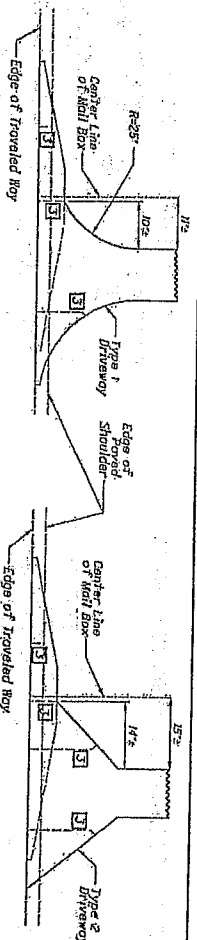
PRODUCTS & COLORS: Color of the detectable warnings should contrast with surrounding concrete, walk and ramp. Color is not an acceptable solution provided per manufacturer's product literature. Install products as per manufacturer's product literature.



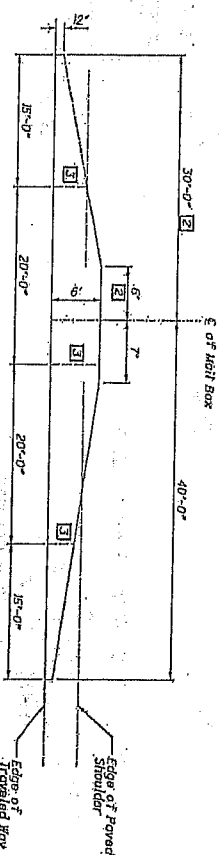
THIS DRAWING REPLACES BP-7.1 DATED 10-15-10.



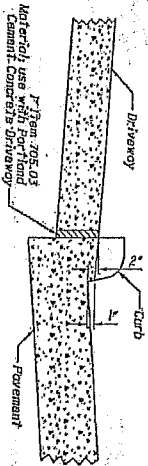
TYPE 1 DRIVEWAY



COMBINED DRIVEWAY & MAIL BOX APPROACH

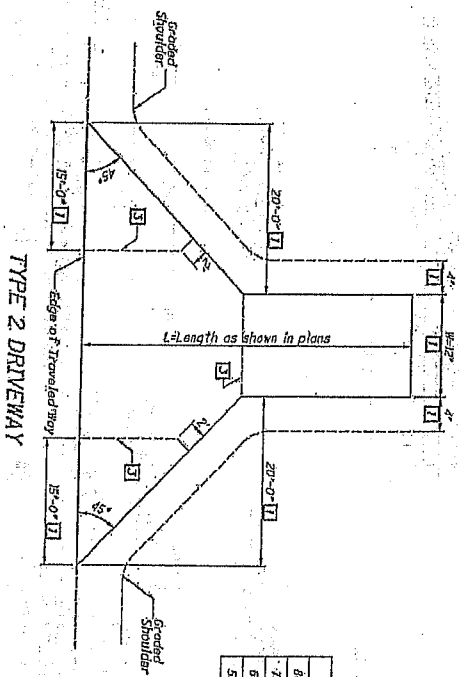


TYPICAL MAIL BOX APPROACH

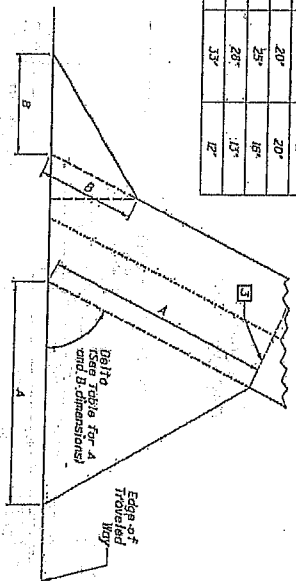


DROP CURB DETAILS AT DRIVEWAYS

Width	A	B
80' to 90'	20'	20'
75' to 85'	25'	18'
65' to 75'	24'	15'
55' to 65'	13'	12'



TYPE 2 DRIVEWAY



TYPE 2 SKEWED DRIVEWAY

Transition from Standard Curb Section to Drop Curb Section to be made in 18' distance from Driveway

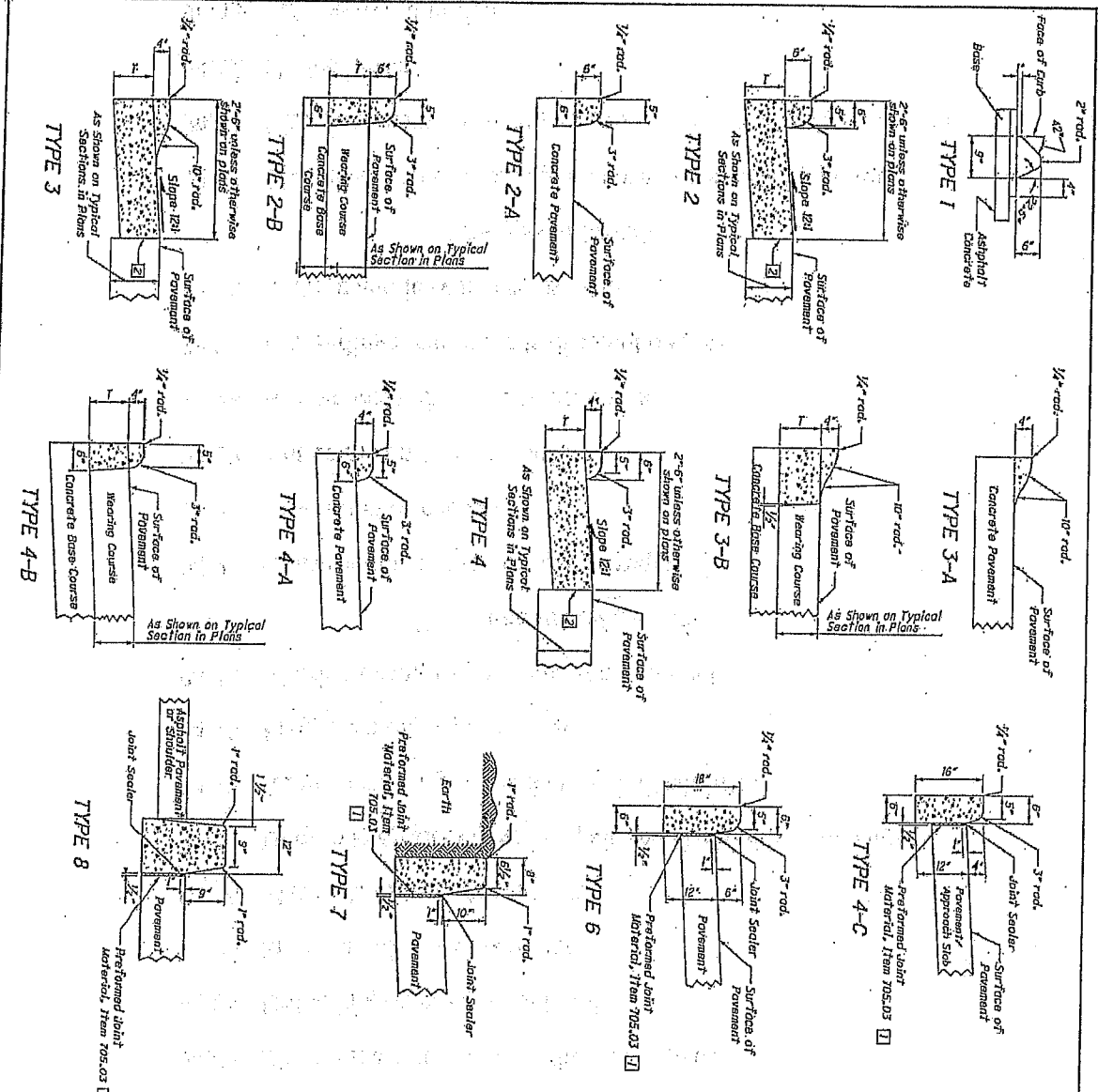
NOTES

GENERAL: The design details shown here shall govern the design of all other details unless otherwise shown in the project plans.
 The pavement type and thickness shall be specified in the project plans.
 Driveway and mail box approaches shall be combined when feasible.
 JOINTS: Impressed joints for portland cement concrete driveways shall be 1/2" minimum width and spaced at 10.5 ft or ASTM D 3854.
 In addition to the joints shown here, joints shall be placed in portland cement concrete driveways at intervals not to exceed 17' in any portion of the driveway beyond the curb.

LEGEND

- 1. Unless otherwise shown in the plans.
- 2. Add 3" for each additional Mail Box.
- 3. Impressed joint without the dots. If a dot is shown, the joint is a standard joint.

THIS DRAWING REPLACES BP-4.1, DATED 7-16-04.



NOTES:

GENERAL: This drawing shows alternate types of curb that may be used on types of pavement. The typical section of the project shows the type of curb and gutter to be used. The thickness of the pavement at the edge of the curb and gutter section.

JUNCTIONS: Expansion joints shall extend up to the top of the curb and shall be constructed in the curb and gutter section. The joint seal shall extend the full width of the curb and gutter. The joint seal shall be placed on an elevation of at least 2" above the top line of the gutter. Dowel bars shall be used in the curb and gutter section of expansion joints and to the surface of the pavement.

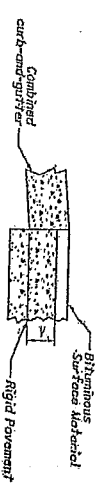
TOLERANCES: Expansion joint material shall meet the requirements of Item 705.03.

GUTTER PLATE THICKNESS: Thickness of gutter plate shall be 3/8" unless otherwise shown on the plans.

TOLERANCES: Dimensional tolerances are as follows:
 Curb: 1/8" to 1/4"
 Gutter: 0 to 1/4"

LEGEND:

- 1 Expansion joint material and joint sealers are not required for the portion of curb and gutter shown as optional, or flexible pavement type. Both materials shall be installed, for the full height of rigid pavement and concrete bases.
- 2 Butts shall be provided between combined curb-and-gutter and new or existing rigid pavements, with the height of the butts provided at intervals of 5'. See SDG BP-2-L for details of the butts and backfills. If the combined curb-and-gutter edging is to be used on an existing rigid base or pavement, that is, it is to be placed with an existing material, a butt joint shall also be provided. However, the butt joint shall be omitted when the curb-and-gutter overlaps (or is in direct contact) between the curb-and-gutter and rigid pavement is less than 2'.



THIS DRAWING REPLACES BP-5.1 DATED 7-28-00.

SHEET NUMBER BP-5.1	DRAWING TITLE STANDARD ROADWAY CONSTRUCTION DRAWING CONCRETE CURBS AND COMBINED CURB AND GUTTER	OFFICE OF ROADWAY ENGINEERING	DESIGNER M. Ruppe	STATE OF OHIO DEPARTMENT OF TRANSPORTATION ADMINISTRATOR Michael Bline	REVISION DATE 7-18-2013
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[Print](#)

Leipsic, OH Code of Ordinances

CHAPTER 94: STREETS AND SIDEWALKS

Section

General Provisions

- 94.01 Conditions precedent to improving streets
- 94.02 Opening permit required
- 94.03 Application and cash deposit
- 94.04 Restoration of pavement
- 94.05 Barriers around excavations
- 94.06 Warning lights
- 94.07 Sidewalk construction by the municipality
- 94.08 Unloading on street or sidewalk
- 94.09 Street or sidewalk obstruction
- 94.10 Materials on street or sidewalk
- 94.11 Duty to keep sidewalks in repair and clean of ice and snow
- 94.12 Ramped curbing for persons with disabilities
- 94.13 Flagpole along right-of-way
- 94.14 Altering or injuring marker or monument

Construction and Repair

- 94.25 Construction and repair may be required
- 94.26 Resolution of necessity
- 94.27 Notice to construct or repair
- 94.28 Assessments of costs against owner
- 94.29 Proceedings may include different owners
- 94.30 Making and levying assessments

Changes in Streets

- 94.40 Change of name, vacating or narrowing streets by petition
- 94.41 Change of name, vacating or narrowing streets without petition
- 94.42 Notice; exception
- 94.43 Publication of notice
- 94.44 Effect of order of vacation

94.45 Effect on public utility easements

94.99 Penalty

Statutory reference:

Assessments generally, see R.C. Chapter 727

Vacation or establishment of streets by court, notice and hearings, see R.C. §§ 723.09 et seq.

GENERAL PROVISIONS**§ 94.01 CONDITIONS PRECEDENT TO IMPROVING STREETS.**

No department of this municipality shall accept, lay out, open, improve, grade, pave, curb or light any street or other way, unless the street or way has been accepted or opened or otherwise has received the legal status of a public street or way prior to the effective date of this code; or unless the street or way corresponds in location and extent with a street or way shown on a recorded plat which has been legally accepted by the Legislative Authority.

Statutory reference:

Power over streets and sidewalks, see R.C. §§ 715.19, 717.01(P), 723.01, 723.011, 723.02, and 729.01

§ 94.02 OPENING PERMIT REQUIRED.

It shall be unlawful for any person, other than an authorized municipal official or the authorized employees or agents of such municipal official, to make any opening in any street, alley, sidewalk, or public way of the municipality unless a permit to make the opening has been obtained prior to commencement of the work.

Penalty, see § 94.99

§ 94.03 APPLICATION AND CASH DEPOSIT.

Each permit for making an opening shall be confined to a single project and shall be issued by the Mayor or other proper municipal officer. Application shall be made on a form prescribed by the Legislative Authority, giving the exact location of the proposed opening, the kind of paving, the area and depth to be excavated, and such other facts as may be provided for. The permit shall be issued only after a cash deposit sufficient to cover the cost of restoration has been posted with the Mayor or other proper municipal officer, conditioned upon prompt and satisfactory refilling of excavations and restoration of all surfaces disturbed.

§ 94.04 RESTORATION OF PAVEMENT.

(A) The opening and restoration of pavement or other surface shall be performed under the direction and to the satisfaction of an authorized municipal official, and in accordance with rules, regulations, and specifications approved by the Legislative Authority.

(B) Upon failure or refusal of the permittee satisfactorily to fill the excavation, restore the surface, and remove all excess materials within the time specified in the permit or where not specified therein, within a

reasonable time after commencement of the work, the municipality may proceed without notice to make such fill and restoration, and the deposit referred to in § 94.03 shall be deemed forfeited. Thereupon, the deposit shall be paid into the Street Repair Fund of the municipality, except such part demanded and paid to the permittee as the difference between the deposit and the charges of the municipality for restoration services performed by it. If the amount of such services performed by the municipality should exceed the amount of the deposit, the Clerk or other proper municipal officer shall proceed to collect the remainder due from such permittee.

§ 94.05 BARRIERS AROUND EXCAVATIONS.

Any person engaged in or employing others in excavating, or opening any street, sidewalk, alley, or other public way shall have the excavation or opening fully barricaded at all times to prevent injury to persons or animals.

Penalty, see § 94.99

§ 94.06 WARNING LIGHTS.

Any person engaged in or employing others in excavating or otherwise in any manner obstructing a portion or all of any street, sidewalk, alley, or other public way, at all times during the night shall install and maintain at least two illuminated warning lamps which shall be securely and conspicuously posted on, at, or near each end of such obstruction or excavation, and if the space involved shall exceed 50 feet in extent, then at least one additional lamp for each added 50 feet or portion thereof excavated or obstructed.

Penalty, see § 94.99

§ 94.07 SIDEWALK CONSTRUCTION BY THE MUNICIPALITY.

It shall be the duty of the engineer of the municipality or, if none exist, another authorized municipal official, to supervise construction or repair of sidewalks within the municipality. He or she shall cause specifications to be prepared for the construction of the various kinds of pavements and transmit the same to the Legislative Authority for approval. When the specifications are approved, the Legislative Authority shall advertise for proposals to do all the work which may be ordered by the municipality in construction and repair of sidewalks, and shall contract therefor, for a period not exceeding one year, with the lowest responsible bidder, who shall furnish good and sufficient sureties for the faithful performance of the work. The Legislative Authority, if it deems advisable, may make separate contracts for the different kinds of work with different parties.

Cross-reference:

Legislative Authority; contracts, see §§ 32.025 et seq.

§ 94.08 UNLOADING ON STREET OR SIDEWALK.

No person shall unload any heavy material in the streets of the municipality, by throwing or letting the same fall upon the pavement of any street, alley, sidewalk, or other public way, without first placing some sufficient protection over the pavement.

Penalty, see § 94.99

§ 94.09 STREET OR SIDEWALK OBSTRUCTION.

(A) No person shall obstruct any street, alley, sidewalk, public ground, or other public way within the municipality by erecting thereon any fence, structure or building, or permitting any fence, structure or building to remain thereon unless authorized by the Legislative Authority or other proper municipal official. Each day that any such fence or building is permitted to remain upon such public way shall be deemed a separate offense.

(R.C. § 5589.01)

(B) Whoever violates this section is guilty of a misdemeanor of the third degree.

(R.C. § 5589.99(A))

Cross-reference:

Driving upon sidewalk prohibited, see § 72.118

§ 94.10 MATERIALS ON STREET OR SIDEWALK.

No person shall encumber any street or sidewalk. No owner, occupant, or person having the care of any building or lot of land bordering on any street or sidewalk shall permit the same to be encumbered with barrels, boxes, cans, articles, or substances of any kind so as to interfere with the free and unobstructed use thereof.

Penalty, see § 94.99

Cross-reference:

Placing injurious materials and litter upon streets or highways prohibited, see § 72.122

§ 94.11 DUTY TO KEEP SIDEWALKS IN REPAIR AND CLEAN OF ICE AND SNOW.

No owner or occupant of lots or lands abutting any sidewalk, curb or gutter shall fail to keep the sidewalks, curbs and gutters in repair and free from snow, ice or any nuisance, and to remove from such sidewalks, curbs or gutters all snow and ice accumulated thereon within a reasonable time, which will ordinarily not exceed 12 hours after any storm during which the snow and ice has accumulated.

(R.C. § 723.011) Penalty, see § 94.99

§ 94.12 RAMPED CURBING FOR PERSONS WITH DISABILITIES.

All new curbs that are authorized by the municipality, and all existing curbs which are part of any reconstruction, shall have a ramp with nonslip surface built into the curb at each pedestrian crosswalk so that the sidewalk and street blend to a common level. These ramps shall be not less than 40 inches wide and shall, insofar as feasible, be constructed in accordance with the standard drawings and specifications for curb ramps of the state Department of Transportation.

(R.C. § 729.12) Penalty, see § 94.99

§ 94.13 FLAGPOLE ALONG RIGHT-OF-WAY.

(A) A property owner in the municipality may install a flagpole between the sidewalk and curb along the right-of-way of any public street or highway adjacent to his or her property. A property owner may also install underground lighting for the display of the flag. Installation of the flagpole and holder shall meet the following specifications:

(1) The flagpole holder shall be embedded in concrete, flush with the sidewalk or sodded area, and possess a cap or cover which shall be used when the holder is not used for the purpose of displaying the American flag;

(2) The holder shall not exceed two inches in diameter and shall be installed not less than one foot from the curb;

(3) Underground lighting for the flagpole shall be situated within a reasonable distance to the holder and meet all underwriters' requirements governing installation. The highest part of the lighting fixture shall at all times be flush with the sidewalk or sodded area in which it is embedded;

(4) At no time shall the flag, flagpole, or holder limit or restrict the view of pedestrian or vehicular traffic, nor shall a flag, flagpole, or holder be installed that comes in physical contact, or is likely to come in physical contact, with overhead wiring.

(B) The municipality may require the issuance of a permit for installation of flagpoles but shall not charge the property owner a permit fee or an inspection fee in excess of \$1 per installation.

(R.C. § 723.012) Penalty, see § 94.99

§ 94.14 ALTERING OR INJURING MARKER OR MONUMENT.

(A) No person shall alter, deface, injure or destroy any marker or monument placed along, upon, or near a public highway by the proper authorities to mark the boundary thereof, or for any other purpose.

(R.C. § 5589.02)

(B) Whoever violates this section is guilty of a minor misdemeanor.

(R.C. § 5589.99(B))

CONSTRUCTION AND REPAIR

§ 94.25 CONSTRUCTION AND REPAIR MAY BE REQUIRED.

In addition to the power conferred upon the municipality under R.C. § 727.01 to construct sidewalks, curbs or gutters and levy an assessment therefor, the Legislative Authority may require the construction or repair of sidewalks, curbs or gutters within the municipality by the owners of lots or lands abutting thereon, and upon the failure of such owners to construct or repair such sidewalks, curbs or gutters within the time prescribed in the resolution adopted under § 94.26, may cause such sidewalks, curbs or gutters to be constructed or repaired and assess the total cost thereof against the lots or land abutting thereon, notwithstanding the provisions of R.C. §§ 727.03 and 727.05.

(R.C. § 729.01)

§ 94.26 RESOLUTION OF NECESSITY.

(A) When it is deemed necessary by the municipality to require the construction or repair of sidewalks, curbs, or gutters within the municipality by the owners of the lots or lands abutting thereon, the Legislative Authority shall cause plans, specifications, and an estimate of the cost of such construction or repair to be prepared, showing the location and dimensions of such sidewalks, curbs or gutters and the specifications for the construction or repair thereof, and to be filed in the office of the Clerk of the Legislative Authority.

(B) After such plans, specifications and estimate of cost have been filed, as provided in this section, the Legislative Authority may declare the necessity for the construction or repair of such sidewalks, curbs or gutters by the adoption of a resolution which shall:

(1) Approve the plans, specifications and estimate of cost of the proposed construction or repair on file as provided by this section;

(2) Describe the lots and lands abutting upon the sidewalks, curbs or gutters to be constructed or repaired by the termini of the improvement or by the street address;

(3) Set forth that such sidewalks, curbs or gutters shall be constructed or repaired by the owners of the lots or lands abutting thereon in accordance with the specifications on file in the office of the Clerk of the Legislative Authority;

(4) Set forth the time within which such sidewalks, curbs or gutters shall be constructed or repaired by the owners of the lots and lands abutting thereon, which shall not be less than 30 days from the date of service of notice under § 94.27 on the owner of the lots or lands;

(5) State that in the event such sidewalks, curbs or gutters are not constructed or repaired by the owners of the lots and lands abutting thereon in accordance with such plans and specifications and within the time prescribed in this resolution, the municipality will so construct or repair such sidewalks, curbs or gutters and assess the costs thereof against the lots and lands abutting thereon.

(R.C. § 729.02)

§ 94.27 NOTICE TO CONSTRUCT OR REPAIR.

Notice of the passage of a resolution of necessity under § 94.26 shall be served by the Clerk of the Legislative Authority, or a person designated by such Clerk, upon the owners of the lots or lands abutting upon the sidewalks, curbs or gutters to be constructed or repaired in the same manner as service of summons in civil cases, or by certified mail addressed to such owner at his or her last known address or to the address to which tax bills are sent, or by a combination of the foregoing methods. If it appears by the return of service or the return of the certified mail notice that one or more of the owners cannot be found, such owners shall be served by publication of the notice once in a newspaper of general circulation within the municipality. The return of the person serving the notice or a certified copy thereof or a returned receipt for notice forwarded by certified mail accepted by the addressee or anyone purporting to act for him or her shall be prima facie evidence of the service of notice under this section. The notice shall also set forth the place where the specifications governing the construction or repair of such sidewalks, curbs or gutters are on file, the time within which the owner of such lot or parcel of land may construct or repair the sidewalks, curbs or gutters, and that in the event the owner does not construct or repair the sidewalks, curbs or gutters in accordance with the specifications and within such time, the municipality will construct or repair such sidewalks, curbs or gutters and assess the costs thereof against the lot or land of the owner.

(R.C. § 729.03)

§ 94.28 ASSESSMENTS OF COSTS AGAINST OWNER.

(A) Upon the expiration of the time within which sidewalks, curbs or gutters shall be constructed or repaired by the owner of the lots or lands abutting thereon as set forth in the resolution adopted under § 94.26, the sidewalks, curbs or gutters not constructed or repaired by the owners of the lots and lands abutting thereon shall be constructed or repaired by the municipality in accordance with the resolution adopted under § 94.26, and the Legislative Authority shall, upon the completion of such construction or repair, assess the costs thereof against the lots or lands abutting thereon.

(B) In anticipation of the collection of the costs of construction or repair of such sidewalks, curbs or gutters from the owners of the lots or lands abutting thereon, the Legislative Authority may provide for the issuance of bonds or notes and the proceeds thereof shall be used to pay for the construction or repair of such sidewalks, curbs or gutters.

(R.C. § 729.04)

§ 94.29 PROCEEDINGS MAY INCLUDE DIFFERENT OWNERS.

In all proceedings pertaining to the construction or repair of sidewalks, curbs or gutters under this subchapter or R.C. §§ 729.01 through 729.08, sidewalks, curbs or gutters upon different streets abutting upon lots or lands owned by different owners may be included in the same resolution, notice, contract, ordinance, or other proceedings.

(R.C. § 729.05)

§ 94.30 MAKING AND LEVYING ASSESSMENTS.

(A) *Estimated assessments.* Upon completion of the construction or repair of sidewalks, curbs or gutters under this subchapter, the total cost of such construction, repair, or installation as defined in division (B) shall be ascertained and reported to the Legislative Authority by its Clerk, and the Legislative Authority shall cause a list of estimated assessments to be prepared. Such list shall include the total cost of such construction, repair, or installation to each lot or land abutting upon such construction, repair, or installation and shall be filed in the office of the Clerk of the Legislative Authority and be available for public inspection.

(R.C. § 729.07)

(B) *Notice of assessment; objection.*

(1) The Legislative Authority shall cause a notice to be published for three consecutive weeks in a newspaper of general circulation in the municipal corporation or as provided in R.C. § 7.16, stating that such list of estimated assessments has been made and is on file in the office of the Clerk of the Legislative Authority for the inspection and examination of persons interested therein.

(2) If any person objects to an assessment on such list, the person shall file the objection in writing with the Clerk of the Legislative Authority within two weeks after the expiration of the notice provided for in division (B)(1) of this section.

(R.C. § 729.08) (Rev. 2012)

(C) *Assessment ordinance.* The Clerk of the Legislative Authority shall deliver the objections received under division (B) of this section to the Legislative Authority. The Legislative Authority shall review the written objections and shall adopt an ordinance levying upon the lots and lands enumerated in the list of estimated assessments the amount set forth on such list with such changes or corrections as the Legislative Authority shall determine to be proper after consideration of the written objections filed under division (B) of this section. Such ordinance shall state the number of annual installments, not exceeding ten, over which the assessments shall be payable and shall establish a period of time during which the assessments shall be payable in cash.

(R.C. § 729.09)

(D) *Assessment proceedings.* The provisions of R.C. §§ 727.26 through 727.43, inclusive, shall apply to and govern the proceedings taken under and the assessments levied under this subchapter. The proceedings taken under this subchapter shall be construed in accordance with the provisions of R.C. § 727.40.

(R.C. § 729.10) (Rev. 1999)

Statutory reference:

Assessments generally, see R.C. Chapter 727

CHANGES IN STREETS

§ 94.40 CHANGE OF NAME, VACATING OR NARROWING STREETS BY PETITION.

The Legislative Authority, on petition by a person owning a lot in the municipality requesting that a street or alley in the immediate vicinity of such lot be vacated or narrowed, or the name thereof changed, upon hearing, and upon being satisfied that there is good cause for such change of name, vacation, or narrowing, that it will not be detrimental to the general interest, and that it should be made, may, by ordinance, declare such street or alley vacated, narrowed or the name thereof changed. The Legislative Authority may include in one ordinance the change of name, vacation, or narrowing of more than one street, avenue or alley. The original ordinance or a certified copy thereof shall be recorded in the official records of the County Recorder.

(R.C. § 723.04) (Rev. 2015)

§ 94.41 CHANGE OF NAME, VACATING OR NARROWING STREETS WITHOUT PETITION.

(A) The Legislative Authority may, when there are two or more streets, avenues or alley of the same name in the municipality, by ordinance and without petition therefor, change the name of any such street, avenue or alley so as to leave only one to be designated by the original name.

(B) When, in the opinion of the Legislative Authority, there is good cause for vacating or narrowing a street or alley, or any part thereof, and that such vacation or narrowing will not be detrimental to the general interest, it may, by ordinance and without petition therefor, vacate or narrow such street or alley or any part thereof. The original ordinance or a certified copy thereof shall be recorded in the official records of the County Recorder.

(R.C. § 723.05) (Rev. 2015)

§ 94.42 NOTICE; EXCEPTION.

Notice of the intention of the Legislative Authority to vacate any street, alley, avenue, or part thereof shall be given as provided in § 94.43, except when written consent to such vacation is filed with the Legislative Authority by the owners of the property abutting the part of the street or alley proposed to be vacated, in which case such notice shall not be required.

(R.C. § 723.06)

§ 94.43 PUBLICATION OF NOTICE.

No street or alley shall be vacated or narrowed unless notice of the pendency and prayer of the petition under R.C. § 723.04 is given by publishing, in a newspaper of general circulation in the municipality, for six consecutive weeks preceding action on such petition, or as provided in R.C. § 7.16 preceding action on the petition. Where no newspaper is of general circulation in the municipality, notice shall be given by posting the notice in three public places therein six weeks preceding such action. Action thereon shall take place within three months after the completion of the notice.

(R.C. § 723.07) (Rev. 2012)

§ 94.44 EFFECT OF ORDER OF VACATION.

The order of the Legislative Authority vacating or narrowing a street or alley which has been dedicated to public use by the proprietor thereof shall, to the extent to which it is vacated or narrowed, operate as a revocation of the acceptance thereof by the Legislative Authority, but the right-of-way and easement therein of any lot owner shall not be impaired by such order.

(R.C. § 723.08)

§ 94.45 EFFECT ON PUBLIC UTILITY EASEMENTS.

When any street, alley or public highway, or a portion thereof, is vacated or narrowed by the municipality pursuant to the provisions of this subchapter or the provisions of R.C. Chapter 723, and the relocation of any conduits, cables, wires, towers, poles, sewer lines, steam lines, pipelines, gas and water lines, tracks, or other equipment or appliances of any railroad or public utility, whether owned privately or by any governmental authority, located on, over or under the portion of the street, alley, or highway affected by such vacation or narrowing, is not required for purposes of the municipality, including urban renewal, any affected railroad or public utility shall be deemed to have a permanent easement in such vacated portion or excess portion of such street, alley or highway for the purpose of maintaining, operating, renewing, reconstructing, and removing such utility facilities and for purposes of access to such facilities.

(R.C. § 723.041)

§ 94.99 PENALTY.

Whoever violates any provisions of this chapter for which another penalty is not already provided shall be subject to the penalty as prescribed in § 10.99.

Village of Leipsic

Concrete Sidewalk Program

BASE BID FOR CONCRETE SIDEWALK

Ref. No.	ODOT Item No.	Item Description	Quantity	Unit	Labor Unit Cost	Material Unit Cost	Total Unit Cost	Subtotal
1	201	Clearing & Grubbing	1	LUMP				
2	202	Signs Removed, Stored and Reinstalled	1	EACH				
3	202	Concrete Walk Removed (Includes Saw Cutting)	25	SY				
4	203	Excavation for Aggregate Base	25	SY				
5	204	Subgrade Compaction	25	SY				
6	411	Aggregate Base - Sidewalks	2	CY				
7	608	Curb Ramp, ODOT Type 2, w/ Det. Warning Panel	1	EACH				
8	608	4" Reinforced Concrete Sidewalk	25	SY				
9	614	Maintaining Traffic	1	LUMP				
10	624	Mobilization	1	LUMP				
11	653	Top Soil Furnished & Placed	2	CY				
12	659	Seeding & Mulching	15	SY				
Base Bid Total:							\$	-
Unit Bid Price per SY: (Base Bid Bid Total, less Curb Ramp & Warning Pad divided by 25)							\$	-

ALTERNATE BID FOR CONCRETE DRIVE APRON & CURB

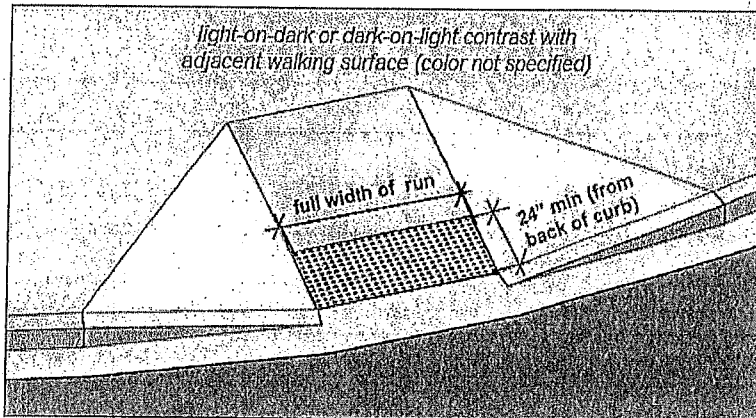
1	201	Clearing & Grubbing	1	LUMP				
2	202	Concrete Drive Removed (Includes Saw Cutting)	15	SY				
3	202	Asphalt Drive Apron Removed (Includes Saw Cutting)	15	SY				
4	202	Aggregate Drive Apron Removed	15	SY				
5	203	Excavation for Aggregate Base	15	SY				
6	204	Subgrade Compaction	15	SY				
7	411	4" Aggregate Base - Concrete Drives	5	CY				
8	608	6" Reinforced Concrete Drive Apron	15	SY				
9	609	Combination Curb & Gutter (24"), Type 2	60	LF				
10	614	Maintaining Traffic	1	LUMP				
11	624	Mobilization	1	LUMP				
12	653	Top Soil Furnished & Placed	1	CY				
13	659	Seeding & Mulching	5	SY				
Alternate Bid Total:							\$	-
Unit Bid Price per SY: (Base Bid Bid Total divided by 15)							\$	-

Detectable warnings are required on curb ramps at transit facilities covered by DOT's Standards (facilities used by state and local governments to provide designated public transportation services, such as rail stations and bus stations). They are not required at non-transit facilities subject to DOJ's Standards. DOT also requires detectable warnings on curb ramps in projects funded by the Federal Highway Administration. New guidelines the Board is developing for public rights-of-way will address requirements for detectable warnings at curb ramps and other transitions along public streets and sidewalks where hazards to people with vision impairments are greater.

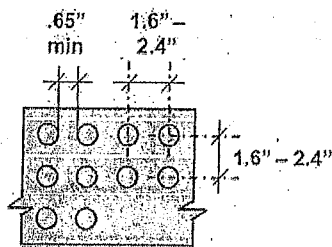


Where detectable warnings are required (or provided anyway) they must meet specifications for size, spacing, and contrast. These detailed criteria provide a distinctive texture intended to have a uniform meaning in alerting persons to the approach to vehicular areas (as well as drop-offs along rail station platforms).

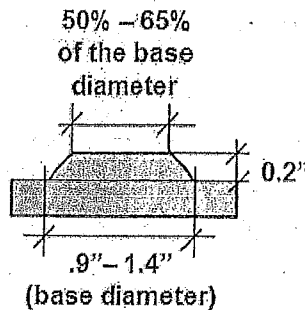
Detectable Warnings on Curb Ramps



Dome Spacing



Dome Size



Common Questions

Ramps

Is there a limit on the total length (number of runs) a ramp may have?

No, the Standards limit the rise of each run (30" max.), but not the overall length of ramps comprised of multiple runs. Since the usability of ramps decreases with length, considerably long ramp systems should be avoided where possible. (Ramps in play areas are limited to a 12" max. rise).

Are curved or circular ramps allowed?

Ramps without level landings at changes in direction typically will not meet the Standards due to resulting compound slopes. This includes most circular or curved ramps, unless the radius is large enough so that the cross slope is compliant and compound slopes are avoided. Otherwise, the curvature and slope result in uneven surfaces that makes wheelchair maneuvering difficult because not all wheels rest evenly on the surface.

Can ramps be portable or provided after construction as an adaptation?



All required ramps and curb ramps must be permanent and installed at the time of construction or alteration with few exceptions. Ramps can be provided after construction only to provide access to raised work stations in courtrooms (sufficient space must be provided in design to facilitate installation). Only ramps serving temporary structures can be temporary or portable.

Is there a maximum distance between ramp handrails?

No, only a minimum (36") is required between handrails. The Standards do not require center or intermediate handrails on wide ramps.

Can handrails overlap ramp landings?

Along runs and landings, the minimum clear width must be measured between the leading edge of handrails. This also applies to landings required to be at least 60" by 60" where ramps change directions so that the minimum landing area remains clear.

Can handrail extensions wrap or turn?

Extensions are not required for continuous handrails along switchback or dogleg ramps or at aisle ramps serving seating in assembly areas. In alterations where the required extension would project hazardously into circulation paths, they can turn, be shorter, or avoided. Otherwise, handrail extensions must be in same direction as the ramp run.

Can handrails be mounted to guard rails?

Yes, handrails can be installed on guard rails if all applicable requirements are met.

Curb Ramps

Why is a top landing required at curb ramps if side flares are provided?

A landing at least 36" long at the top of curb ramps provides room to approach or exit ramps and turn without encountering compound slopes of flared sides. Side flares are intended mainly to prevent tripping hazards. They are not designed to accommodate wheelchair maneuvering except in alterations where space constraints preclude a compliant top landing.

Are side flares required at curb ramps?

The ADA Standards do not require that curb ramps have side flares, but limit the slope (1:10 max.) where they are provided. Side flares are advisable where pedestrian traffic may cross runs to prevent tripping hazards. Side flares are essential in alterations when space for a top landing (36" deep min.) is not available; in this instance, side flares (1:12 max. slope) are necessary to accommodate wheelchair maneuvering that will partially occur at flares in the absence of full landing space at the top unless a parallel-type curb ramp is provided.

Are detectable warnings required on curb ramps or at hazardous vehicular areas?

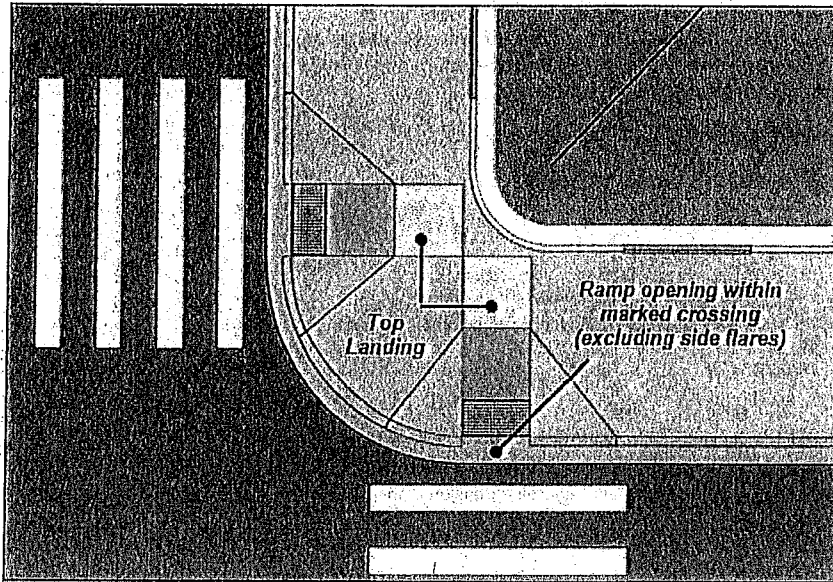
Under the ADA Standards, which apply primarily to facilities located on sites, detectable warnings are required at transit facilities (at curb ramps and along open drop-offs of rail station boarding platforms). Specifically, the curb ramp requirements apply only to public transportation facilities covered by DOT's ADA Standards. Curb ramps at all other facilities are not required to have detectable warnings. New guidelines for public rights-of-ways issued by the Board will address detectable warnings on curb ramps and other transitions along public streets and sidewalks. In addition, DOT requires detectable warnings on curb ramps in projects funded by the Federal Highway Administration.

What types of facilities are covered by DOT's ADA Standards (and are required to have detectable warnings on curb ramps)?

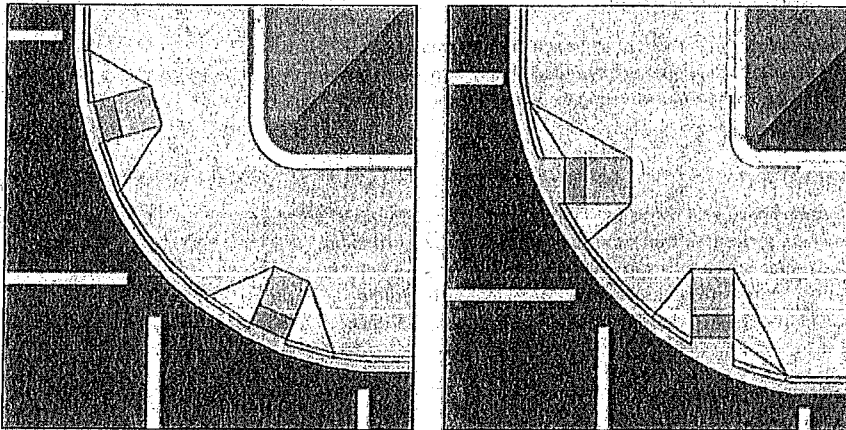
DOT's ADA Standards apply to facilities used to provide "designated public transportation." This includes transportation services state or local governments provide the general public on a regular and continuing basis by bus, rail, or other conveyance (excluding aircraft and public school transportation). DOT's ADA Standards also apply to intercity and commuter rail stations. Curb ramp detectable warnings are required only at these facilities. Detectable warnings are required at rail station boarding platforms with open drop-offs at any transit facility, including private sector transit facilities subject to DOT's ADA Standards.

Why are detectable warnings no longer required for all curb ramps or at hazardous vehicular areas?

In the last update, the ADA Standards were revised to focus more clearly on facilities located on sites in recognition of separate criteria the Access Board is developing for public rights-of-ways. The public rights-of-way guidelines will address requirements for detectable warnings due to hazards to people with vision impairments along public streets and sidewalks. At facilities located on sites, various measures can help reduce hazards, including reduced traffic speeds, marked crossings with pedestrian right-of-way, and speed-bumps, and other optional traffic calming measures.

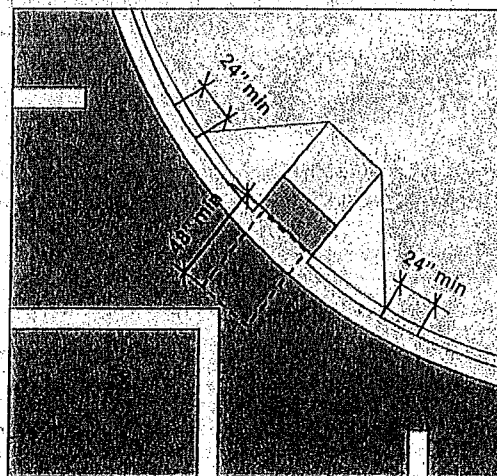


Curb ramps must be oriented so that the grade break is perpendicular to the curb ramp run to ensure a smooth transition to streets, including at corners with a wide radius. The curb ramp opening can be aligned with the curb line (left) or more directionally oriented to the crosswalk (right).



Diagonal Curb Ramps [§406.6]

If curb ramps are placed diagonally at an intersection, it is important that clear space 48" long min. is available at the bottom that is outside active vehicle traffic lanes and is located within marked crossings, where provided. A segment of curb at least 24" long beyond flares must be provided on both sides of curb ramps with side flares within marked crossings. This curb segment provides an orienting cue at crossings for people with vision impairments.



642.2 Sidewalk Ramp and Curb Ramp Design Criteria

From Engineering Policy Guide

Additional Information

ADA Standards Section 4.8.5 (<http://www.ada.gov/reg3a.html#Anchor-19425>)

Sec 608 (http://www.modot.org/business/standards_and_specs/SpecbookEPG.pdf#page=9)

Standard Plan 608.40

(http://www.modot.org/business/standards_and_specs/Online%20Standard%20Plans/60840.pdf)

Standard Plan 608.50

(http://www.modot.org/business/standards_and_specs/Online%20Standard%20Plans/60850.pdf)

Standard Plan 620.00

(http://www.modot.mo.gov/business/standards_and_specs/documents/62000.pdf)

Contents

- 1 642.2.1 Slope and Rise of Sidewalk Ramps
- 2 642.2.2 Curb Ramps
 - 2.1 642.2.2.1 Curb Ramp Alignment
 - 2.2 642.2.2.2 Flares on Ramps
 - 2.3 642.2.2.3 Gutters
 - 2.4 642.2.2.4 Landings
 - 2.5 642.2.2.5 Types of Curb Ramps and Design Applications
- 3 642.2.3 Detectable Warnings
- 4 642.2.4 Side Streets and Driveway Crossings
- 5 642.2.5 Crosswalks

642.2.1 Slope and Rise of Sidewalk Ramps

When the running slope, or grade, of a sidewalk exceeds 5% it is a ramp. If the sidewalk is adjacent to the street or separated by a narrow planting strip, the sidewalk grade may be equal to the grade of the street and not be considered a ramp. Ramps typically occur on an accessible route leading to a facility or otherwise separated from the street.

The cross slope for all ramps is to be 1%, but a maximum of 2.0% is allowed by ADA standards. Although the maximum running slope of a ramp in new construction is 1V:12H (8.33%), as discussed before, all sidewalks are to be designed with the least running slope possible. In an alteration project if it

is technically infeasible to meet the running slope requirement, every effort should be made to flatten the slope as much as possible and provide landings where necessary. Clear documentation of any exceptions should be kept in the project file.

The maximum rise in any run will be 30 in. Examples of various slopes and ramp lengths are shown in Figure 642.2.1.

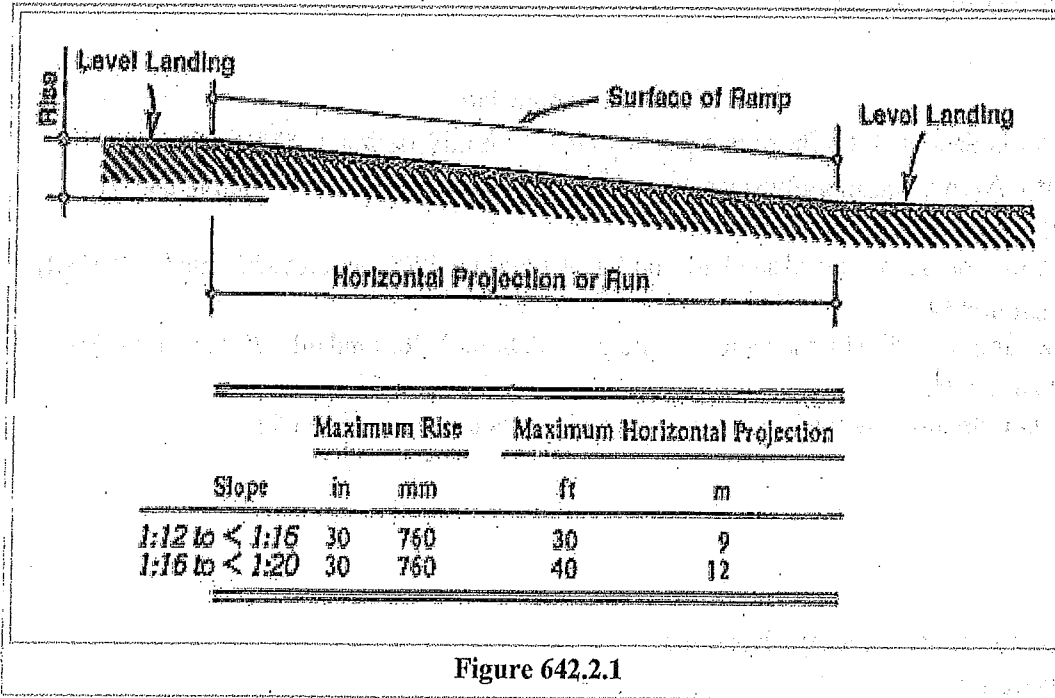
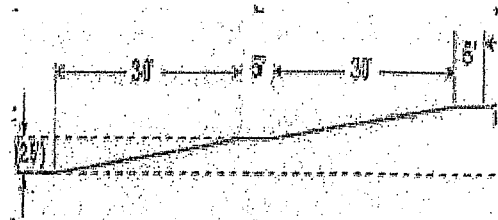


Figure 642.2.1

A landing will be located at the top and bottom of all ramps and between segments that have a 30 in. rise. The landing will be at least the width of the ramp with a minimum length of 60 in. If a turn is required the landing must be 5 ft. x 5 ft. For example, a segment with a running slope of 1V:12H, or 8.33% will require a 5 ft. x 5 ft. landing every 30 ft. if it is part of a switchback access route.



A vertical rise greater than 6 in. will require a handrail. Handrails must be compliant with ADA standards, Section 4.8.5 (<http://www.ada.gov/reg3a.html#Anchor-19425>)

Edge protection will be provided on ramps and landings with drop-offs and shall have curbs, walls, railings, or projecting surfaces that prevent people from slipping off the ramp. Curbs shall have a minimum height of 2 in.

642.2.2 Curb Ramps

Curb ramps will be provided wherever a sidewalk crosses a curb. Curb ramps should not be installed where there are no sidewalks as they may mislead a person with disabilities to an area where an accessible pedestrian pathway is not provided. However, if there is a commitment to install sidewalks in the near future, approximately 1 year or less, curb ramps should be installed with a current project if it

results in more efficient construction and lower cost. Curb ramps should be installed at each end of an accessible route to allow access onto the route.

The design and construction of curb ramps require thought and planning. The curb ramp must be designed to meet the existing topographical and physical constraints, and the requirements for curb ramp slope, cross slope, landings and connection to the street.

Curb and sidewalk ramps will be designed in accordance with the standard plans, or varied to fit the needs at a particular location. Situations that do not fit the standard plans are to be identified on a field check. If a particular curb ramp differs from the standard plans, the ramp will be detailed on the plans. The exact location of the curb ramps and crosswalks for intersections will be shown on the plans.

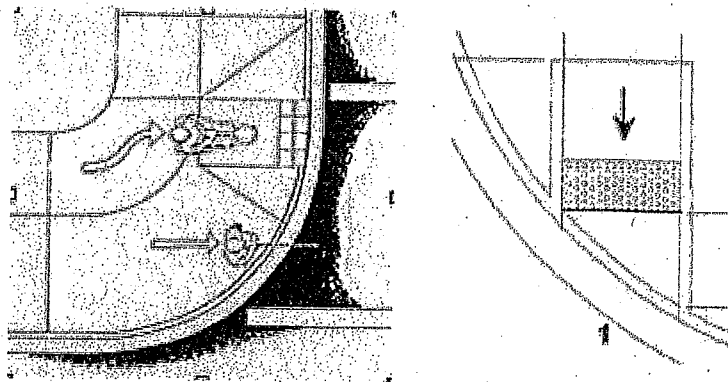
The following criteria apply to all curb ramp situations:

- Width - curb ramps in new construction will have a clear width of 5 ft., exclusive of flared sides. In an alteration, the width will be the same as the adjoining sidewalk or a minimum of 4 ft.
- Cross slope - The cross slope on all curb ramps will be a minimum of 1%, up to 2.0% maximum.
- Running slope - The least possible running slope will be used for all ramps. The minimum running slope for drainage purposes is 1%. In new construction, the maximum slope allowed by ADAAG is 8.33% (1V:12H). Consideration should be given to construction accuracy and future settlement.
- Grade breaks - Grade breaks at the top and bottom of perpendicular curb ramps shall be perpendicular to the direction of ramp run. Grade breaks shall not be permitted on the surface of curb ramps, blended transitions and landings within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush.
- Landings - Curb ramps: A minimum 5 ft. x 5 ft. level landing with a minimum of 1% and no more than 2.0% cross slope in any direction will be provided wherever two sidewalks cross, or a turn may be required. Perpendicular curb ramps may require a pedestrian to choose a direction from a landing at the top of the ramp. Parallel curb ramps require a landing at the bottom so that a pedestrian can turn to enter the street. A diagonal ramp requires a landing at the top and a 4 ft. x 4 ft. clear space at the bottom protected within the crosswalk markings.
- Detectable warnings, or truncated domes - Detectable warnings must be placed at all public streets and signalized intersections. They will be located at the bottom of each ramp a maximum of 5 ft from the curb face, or 6 to 8 in. from the curb face if the distance to the bottom of the ramp is greater than 5 ft. Additional information may be found in EPG 642.2.3 Detectable Warnings.
- Islands and medians - Raised islands and medians in crosswalks will be cut through level with the street and include a level passing space of 5 ft. x 5 ft. The cut through width will meet the requirement of an accessible route. Median cut through length is to be 4 ft. min. Detectable warning will be provided at each entrance to the street.
- Steps - Sidewalk ramps will be provided at locations where steps occur, such as at the ends of bridges having sidewalks across the bridge or at pedestrian grade separations.

- Obstacles - No obstacles (grates, utility covers, etc.) should be within a ramp. If they cannot be avoided, they will have stable, firm and slip resistant surfaces, have flush transitions, and meet the change in level requirements. Storm drain inlets are to be designed outside of the ramp area, but located so as to minimize water runoff or pooling of water at the bottom of ramps.
- Parking - Curb ramps will be located or protected to prevent their obstruction by parked vehicles.
- Crosswalk markings - Curb ramps at marked crosswalks will be wholly contained within the markings, excluding any flared sides. The minimum crosswalk is 6 ft.
- Pay items - The designer will estimate the square yardage for curb ramp and include it with the estimate for sidewalks and the quantity will be shown on the 2B sheet(s). A separate pay item is included for detectable warnings since they are not required on all ramps, and in many cases, are required to be retrofitted on existing curb ramps.
- See the Sec 608
 (http://www.modot.org/business/standards_and_specs/SpecbookEPG.pdf#page=9), Standard Plan 608.50
 (http://www.modot.org/business/standards_and_specs/Online%20Standard%20Plans/60850.pdf) and EPG 642.1.4 for additional information.

642.2.2.1 Curb Ramp Alignment

The accessible route should be perpendicular to the curb being crossed to provide a level cut for wheelchairs and directional cues for the visually impaired. By placing curb ramps perpendicular to the curb, grade changes are at right angles that will allow all four wheels of a wheelchair to be in contact with the ground at all times. Curb ramps located at the tangent point provide the shortest pedestrian crossing. Alignment of curb ramps, crosswalks and raised islands is an important consideration in providing a safe crossing for the visually impaired.



For large radii, it is often not possible to both place curb ramps perpendicular to the curb and in-line with the pedestrian crossing. Ramps may be set back from the curb to provide a grade break that is perpendicular to the ramp slope and a landing or blended transition will continue to the curb. If the bottom of the ramp is more than 5 ft. from the curb, detectable warnings are placed at the back of the curbline. Parallel ramps are often useful in this situation.

642.2.2.2 Flares on Ramps

If a curb ramp is located where pedestrians may walk across the ramp, or the ramp is not protected by handrails, guardrails, or a permanent obstacle, and the landing or the sidewalk at the top of the ramp is 4 ft. or wider, the flared sides of the ramp will have a maximum slope of 1V:10H (10%). If, due to a technical infeasibility, the sidewalk is narrower than 4 ft., the maximum slope will be 1V:12H (8.33%). The sidewalk width, X_s in Figure 642.2.2.2, must be at least 3 ft. A parallel ramp may be more appropriate in some situations.

Vertical curbs or flares greater than 1V:10H are allowed where the pedestrian path will not cross the ramp. Refer to Figure 642.2.2.2. Handrails are not required on curb ramps.

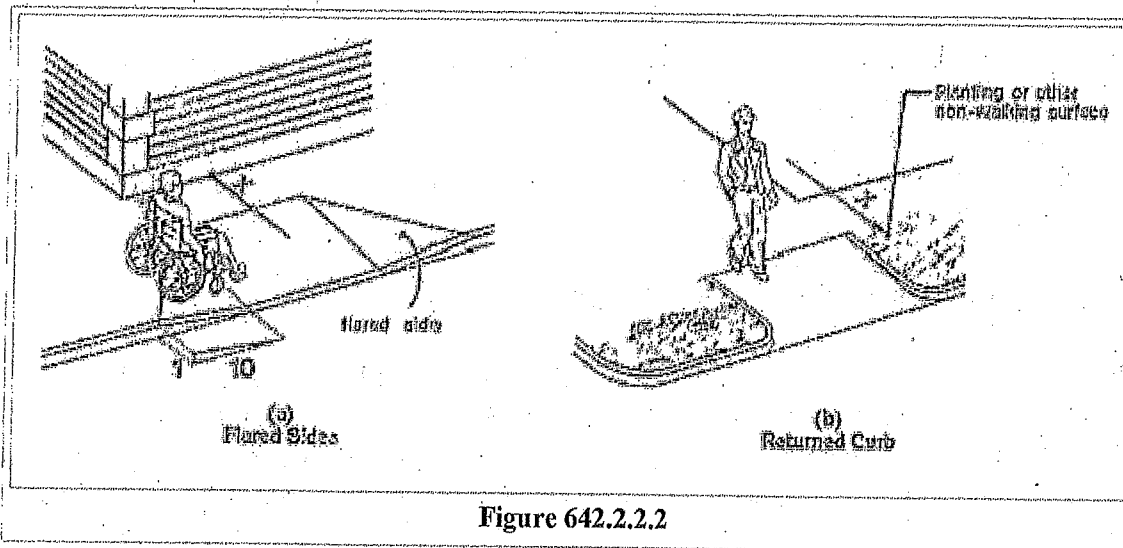


Figure 642.2.2.2

642.2.2.3 Gutters

The gutter slope is parallel to the ramp and perpendicular to the curb. Because the slopes of adjacent gutters and streets significantly affect the overall accessibility of curb ramps, the rate of change of grade between the gutter and the ramp must not exceed 13% over a 2 ft. interval. The cross slope of the road or gutter surface immediately adjacent to the curb ramp must not exceed 5%.

The transition between the ramp and gutter is to be smooth and flush. For new construction, transitions from curb ramps to sidewalks, gutters or streets must be flush and free of abrupt changes. For existing locations where a smooth transition cannot be achieved, changes in level between $\frac{1}{4}$ in. and $\frac{1}{2}$ in. must be beveled with a slope no greater than 1V:2H, and changes in level greater than $\frac{1}{2}$ in. need to be removed or ramped. Maximum slopes adjoining a curb ramp must not exceed 1V:20H (5%).

It is important to ensure that water does not puddle at the curb opening. Where drainage crosses the opening and may enter the ramp, or landing area, a maximum 8.33% slope may begin at the face of the curb, resulting a $\frac{1}{2}$ in. rise at the back of the curb in a 6 in. curb opening.

642.2.2.4 Landings

Landings at curb ramps allow people with mobility impairments to move completely off of the ramp and onto the sidewalk. They provide a level area for resting, turning, or reaching pedestrian signal buttons. The slope for all landings must be between a minimum of 1% for drainage and a maximum of 2.0% for pedestrian stability in all directions.

A minimum 5 ft. x 5 ft. landing must be provided wherever two sidewalks cross, or a turn may be required. Perpendicular curb ramps may require a pedestrian to choose a direction from a landing at the top of the ramp. Parallel curb ramps require a landing at the bottom so that a pedestrian can turn to enter the street. A diagonal ramp requires a landing at the top and a 4 ft. x 4 ft. clear space at the bottom protected within the crosswalk markings.

For retrofit projects, where geometric or right of way restrictions exist, the landing width may be reduced to 4 ft. MoDOT policy will be 5 ft. x 5 ft. to coincide with sidewalk widths and passing space. If landings are reduced below 4 ft., the reasons need to be documented. Please note that requirements for ramps differ from those of curb ramps in that ramps must have the same width as the approaching sidewalk and a minimum length of 5 ft.

642.2.2.5 Types of Curb Ramps and Design Applications

Curb ramps at intersections need to be designed on an individual basis. The location and type of the ramps are to be shown on the plans to ensure all details of the ramps have been taken into consideration and are constructable to MoDOT standards. Determining pedestrian pathways early in the design process is essential. The best ramp configuration for a given location may impact the location of utilities, traffic signals, light poles, storm drainage and other roadside features. It is recommended that the sidewalk and ramps be laid out early in the preliminary plans and in coordination with other roadside features.

There are a variety of curb ramp types. The pattern to be used depends on the location, type of street and existing design constraints. Curb ramps are normally categorized by their position relative to the curb line. The three most common configurations are perpendicular, parallel and diagonal. See EPG 642.3 Curb Ramp Applications and Standard Plan 608.50 (http://www.modot.org/business/standards_and_specs/Online%20Standard%20Plans/60850.pdf) for more details.

642.2.3 Detectable Warnings

ADAAG defines a detectable warning as "a standardized surface feature built in or applied to walking surfaces or other elements to warn visually impaired people of hazards on a circulation path." Detectable warnings are provided on curb ramps at side streets and signalized driveways, such as at a mall or major outlet/discount store. Truncated domes are never to be installed on ramps for residential driveways.

Detectable warnings on walking surfaces are required to be truncated domes with a diameter of 0.9 in., a height of 0.2 in., and a center to center spacing of 1.65 in. to 2.35 in. in each direction. The truncated dome panel is to contrast visually with adjoining surfaces, either light-on-dark or dark-on-light. (Refer to

Standard Plan 608.50 (http://www.modot.org/business/standards_and_specs/documents/60850.pdf). The preferred color contrast is red for concrete and yellow for asphalt surfaces.

The truncated dome surface area is a minimum length of 2 ft. covering the entire width of the ramp or curb opening, excluding the flare sides. The width of the truncated domes may be shortened by 2-3 in. on each side if recommended by the manufacturer for durability. The truncated domes are aligned on a square grid in the predominate direction of pedestrian travel to permit wheelchair wheels to roll between the domes. They are to be placed at the bottom of a ramp perpendicular to the path of travel, and parallel to the grade break, or 6-8 in. from the front of the curb depending on the type and location of the curb ramp.

On large curb radii, one edge of the truncated dome surface area may be placed at the back of the curb to minimize the distance of the other edge from the curb. If either corner of the detectable warning is more than 5 ft. from the back of the curb the detectable warnings should be placed in a radial pattern 6-8 in. from the face of the curb.

Detectable warnings are also provided at cut-throughs in islands and medians. Where islands or medians must be less than 4 feet in length, the detectable warnings are to extend across the full length of the cut through, island or median. At islands and medians the detectable warnings are to be placed at the curblines.

Where truncated domes are placed at the bottom of a ramp, the path between the domes shall be parallel to the path of travel on the ramp. At a blended transition or on a landing, the direction of the path between the domes may vary.

Where a sidewalk crosses a railroad track, the detectable warning surface shall be located so that the edge nearest the rail crossing is 6 ft. minimum and 15 ft. maximum from the centerline of the nearest rail. The rows of truncated domes in a detectable warning surface shall be aligned to be parallel with the direction of wheelchair travel.

642.2.4 Side Streets and Driveway Crossings

A defined walkway is required across all driveways. The defined walkway will consist of a paved area 4 ft. wide, at minimum, with a cross slope of 1% (2.0% maximum) to meet ADA standards. It does not have to be marked, but will provide an accessible path between the adjoining sidewalks or ramps. The running slope will be 5% or less, or at the same grade as the roadway. Where possible, keep the entrance and sidewalk at the same grade, eliminating the need for ramps. When designing these pathways across entrances, it will be necessary to adjust the approaches to the defined pathway to prevent bottoming out of vehicles transversing the defined pathway.

642.2.5 Crosswalks

Crosswalks are a critical part of the pedestrian network. A crosswalk is defined as "the portion of a roadway designated for pedestrians to use in crossing the street" and may be either marked or unmarked. However, marked crosswalks are the most effective and are recommended where there are traffic signals. Marked crosswalks provide warning to motorists and assist pedestrians, especially pedestrians

with low vision, in maneuvering across the street. Marked crossings are delineated in materials or markings that provide a visual contrast with the surface of the street and meet, at minimum, the dimensions shown on Standard Plan 620.00

(http://www.modot.mo.gov/business/standards_and_specs/documents/62000.pdf).

Crosswalk placement requires balancing several goals that sometimes compete.

- Curb ramps must be placed within the crosswalk.
- When a diagonal curb ramp is at an intersection, a 4 ft. x 4 ft. clear landing space is provided within the crosswalk to allow persons in wheelchairs enough room to maneuver into the desired direction while maintaining a safe distance from moving vehicles.
- The crosswalk lengths are kept to a minimum to limit the time to cross the roadway and the time people are in the crosswalk.
- Setback of crosswalks are to be kept to a minimum to reduce out-of-direction travel and to provide good sight lines between pedestrians and motorists.

In some situations, signage may be warranted in addition to a marked crosswalk. For example, at non-signalized, high speed intersections, drivers do not recognize a marked crosswalk quickly enough to react to pedestrians in the crosswalk. In-roadway lights or pedestrian crosswalk signs are treatment that may be used to increase pedestrian safety. Another case is at signalized intersections with islands and free right turns where pedestrian crosswalk signs along with the marked crosswalk remind motorists to yield to pedestrians.

Retrieved from "http://epg.modot.org/index.php?title=642.2_Sidewalk_Ramp_and_Curb_Ramp_Design_Criteria"
Category: 642 Pedestrian Facilities

- This page was last modified on 9 June 2016, at 09:38.



Leipsic Walks Permit to Install

Name: _____ Phone: _____ Email: _____

Address: _____

Construction Address: _____

- 1.) Describe your project: _____

- 2.) Include at least one picture showing the current condition of the place you are installing new or repairing sidewalks.

- 3.) Provide some form of proof of ownership of this parcel (Putnam GIS, Deed Etc.)

- 4.) How many linear feet of concrete is being poured?

- 5.) Do you and/or your contractor plan to follow the specifications listed out in the "Village of Leipsic Sidewalk Construction Standards" Yes No

- 6.) Expected project completion date: ____/____/20____
- 7.) Who is your approved sidewalk installer? (If self, "self")

The Village's approved sidewalk installer list does not indicate any expectation of quality or work guarantee. It is the responsibility of property owners to check all contractors for qualifications before contracting with them for any work. This program only indicates that the installer understands how the Leipsic Walks Program works.

FOR VILLAGE USE:

Approved: _____ Date: ____/____/____ Reason Rejected:



ORDINANCE

AN ORDINANCE AUTHORIZING THE ADMINISTRATOR ENFORCE THE SIDEWALK REGULATIONS ON NEW CONSTRUCTION AND PREVIOUS CONSTRUCTION IN ACCORDANCE WITH THE RANDOM ORDER OF ENFORCEMENT IN REGARDS TO THE VILLAGE OF LEIPSIC, PUTNAM COUNTY, OHIO.

Whereas, The Village of Leipsic Council has reviewed the need for this matter in relation to the responsibilities of the Village in accordance with state and federal law and determined this action is needed and appropriate; and

Whereas,, the sidewalk study committee has recommended an enforcement strategy over a six year timeline with the Village randomly assigned by six areas beginning in 2020 and ending in 2026; and

Whereas, all deliberations of this matter have been handled before this council in meetings open to the public.

NOW, THEREFORE, BE IT ORDAINED by the Council of the Village of Leipsic, Putnam County, Ohio that:

Section 1: The Administrator shall enforce the "Village of Leipsic Sidewalk Construction Standards" on all new construction and previous construction in accordance with this ordinance.

Section 2: The Administrator shall refer to the attached document labeled Exhibit A, "Sidewalk Enforcement Strategy" to determine responsibilities and Exhibit B a map entitled "Random Order of Enforcement" to guide enforcement efforts and interpretations of the law..

Section 3: All challenges to the Administrator's interpretation must be appealed on the basis of a failure to follow the law or correctly interpret the law as established herein shall be written on a form entitled Leipsic Walks Appeal and shall be submitted to the Leipsic Walks Board for consideration in accordance with Exhibit A.

Section 4: This ordinance shall take effect and be in force from and after its passage and approval by the Mayor at the earliest period allowed by law.

PASSED: _____

Approved: _____

MAYOR

Attested: _____

FISCAL OFFICER

PRESIDENT OF COUNCIL



Sidewalk Enforcement Strategy

Background: The Village of Leipsic has not actively enforced sidewalk laws in the past, but the council has taken steps to make this a priority as the community grows and footpaths and trails become an important means of transportation and healthy exercise.

Standards: All determinations made by the Administrator shall be in accordance with the "Village of Leipsic Sidewalk Construction Standards," unless the sidewalk repair cannot conform in a practical or common-sense manner, then the matter shall be handled in accordance with the "Engineering" section of this document.

Locations of Enforcement: The sidewalk policy will be enforced in a common-sense manner that connects the Village of Leipsic by requiring sidewalks to connect on contiguous properties that have road right-of-way and can connect through an annexed portion of the Village continuously to the Leipsic School and downtown. Outlying properties not annexed contiguously with road right-of-way managed by the Village or where a connection cannot be made within 100 yards shall not be enforced until such time a potential connection exists through a change in annexation and or Village housing.

To additionally specify, Werner Street north of the NS Railroad and Werner Street south of Oak Street, along with Main St. west of the Village Hardware's east driveway and east of the existing drive to the Meadows of Leipsic will be exempt until such time further residential or commercial development justifies a need for connection as reviewed by the Leipsic Walks Board with approval from the Village Council. A map included will identify the areas of enforcement and non-enforcement. To also clarify, there shall be a sidewalk or comparable surface for pedestrian traffic around the three perimeter sides abutting Village streets of the property currently owned by Patrick Holdings on Oak St., Werner St., and Main St.

Properties with Multiple Boulevards: The enforcement will apply to all properties in the Village. In situations where properties abut multiple boulevards the homeowner will only be responsible for sidewalks on the boulevard matching the property address. On corner lots, those homeowners are expected to maintain sidewalks on both or three sides of the home. This provision applies to situations where a lot was designed to have a front door facing the street and a back yard that comes up to another street. This is common between Center Street and Mathias.

Comparable Surface: The Village administrator may review the recommendations of the 2018 Sidewalk Study Committee to interpret an acceptable comparable surface. In certain situations, such as a church parking lot or an industrial parking lot, where the parking lot abuts the road for a substantial distance, these properties may be approved to have their sidewalks in this area be of a black-top, concrete or similar surface matching their existing parking lot and at the same grade as their parking so long as they have striped a four foot wide walking path within the Village right-of-way to provide a pedestrian walking path in alignment with sidewalks on either side. They shall install ADA compliant ramps at either end to inform the public of the dangers of potential moving traffic through the sidewalk. These lines should remain painted and bright for public view. The Administrator shall use common-sense judgement to enforce this portion of the ordinance. This same courtesy shall not be extended when not reasonably safe or on a residential property.

Engineering: Most of the community will install sidewalks in accordance with the "Village of Leipsic Sidewalk Construction Standards." In instances where common sense modifications are needed, they may be approved by the Village Administrator, with appeals handled by the Leipsic Walks Board. In areas where the Administrator is unqualified to make a determination, the Administrator shall contract with a qualified engineering firm to make recommendations that shall be reviewed by the Leipsic Walks Board and recommended to the Village Council for approval.

Village Properties: The Administrator will oversee all efforts to bring the Village properties into compliance with these standards as quickly or prior to the enforcement timeline. The Village will install substantial portions of 6-foot side walk with curb and gutter around parking areas of parks and will extend 4-foot sidewalks in other appropriate areas of Village owned properties including parks.

The Village owns alley ways. No alley ways will be treated as streets that require sidewalks this includes the public street behind the Library which is often considered an alley. The Village will ensure that alleys approaching the street have a hard surface for pedestrian traffic in the area of the sidewalk. This may be asphalt or concrete and may extend as an apron from the road to the furthest edge of the sidewalk. This area will not need to be striped with a cross walk. In areas with high traffic or dangerous crossings an ADA crossing pad may be installed by the Village for increased safety.

Communication: The Village Administrator will maintain updates on the enforcement roll-out through Facebook, email, and notes on water bills. In 2019, the Administrator will mail a notice Village wide outlining the expectations including many specific portions of this document. The Administrator will maintain access for residents to this document on the Village web page, www.Leipsic.com.

Each year in February, the Administrator will mail each homeowner in the sections to be newly enforced to remind them of the expectations. By April each year, the Administrator will mark sidewalks needing repair with orange paint and document the amount of repair needed on each property. By May 31 each year members of the Leipsic Walks Board and the standing Streets, Buildings and Sidewalks committee will be able to review a list, published in a conspicuous place at Village Hall, and may appeal the Administrator's determination. Upon review of the list and recommendation to council from the Leipsic Walks Board and a vote by council the Administrator shall issue notice to homeowners of the requirements and the plan for the Village to repair the sidewalk if they do not act. This list shall be reviewed in a June Council meeting and approved by motion only.

The Administrator shall issue one notice by standard U.S. Mail requesting a response. If not received within ten (10) days, the administrator shall issue a second letter, this time sent by certified mail with a request for response within five (5) days. The response from property owners must outline a plan to correct the issue within 60 days. If they have not corrected the matter within 60 days or have failed to respond. The Village will include their property in a Village project and make the remedy, placing the costs on the property taxes of the property owner.

Regular Contract Schedules: For each section there will be three different concrete contracts to award. (1) Village owned properties and alleys with a bid opening in March. (2) Property owners who failed to respond or waived their right to self-remedy with a bid opening in September. (3) Property owners who said they would self-remedy within 60 days and failed to act the previous fall. This bid opening will coincide with the bid opening for Village owned properties in the next section which will be opened in March.

Step in Phases:

Year	Village Action	Public Expectation
2019	The Village will provide the safe sidewalk crossings at the Village owned railroad, install the sidewalks and curbs at City Park and install appropriate crossings at alleys in Section B	Many people will apply for the Leipsic Walks Grant and begin self-acknowledgement and repair of their sidewalks.
2020	The Village will install the road entrance with sidewalks to Bennett Park extending a paved path along the Maple Grove to the ball fields. If funds are available a loop will be completed with hard surface from the ball fields to along the traction line to South Street. Additionally, the Village will improve crossings at the alleys in Section E .	Public notices of enforcement will be issued to Section B .
2021	The Village will install sidewalks along the Christman Bros. property on eight street. The Village will also install alley crossings and improved street crossings in Section A .	Public notices of enforcement will be issued in Section E . The Village will enforce final stages of remedy in Section B .
2022	The Village will widen and install curbing on Rush St. from Buckeye Dr. to Willow Dr. The Village will improve street approaches in Section F which will be a significant undertaking and make for proper crossings of alleys in Section F .	Public notices of enforcement will be issued in Section A . The Village will enforce final stages of remedy in Section E .
2023	The Village will pay special attention to alley crossings in Section C which have a lot of school traffic. The Village will install a sidewalk along (Central or Water St.) from the Library to Jefferson Street. At this time that street will be paved and curbed as applicable. Due to a high number of paved alleyways, the Village should expect apron style paving or concrete in this phase.	Public notices of enforcement will be issued in Section F . The Village will enforce final stages of remedy in Section A .
2024	Widen Prospect Street with curbs. Install curbing and sidewalks around Buckeye Park and upgrade alley crossings in Section D as needed.	Public notices of enforcement will be issued in Section C . The Village will enforce final stages of remedy in Section F .
2025	Widen and Curb Orchard Drive.	Public notices of enforcement will be issued in Section D . The Village will enforce final stages of remedy in Section C .
2026	Install curbing and widen Patti Ln. and St. Marys St.	The Village will enforce the final stages of remedy in Section D .

Steps of Enforcement:

- 1.) Marking (April)
- 2.) Review (May)
- 3.) Council Action (June)
- 4.) Initial Notice (10 Days)
- 5.) Certified Notice (5 Days)
- 6.) Voluntary Village Install (60 Days into the Fall)
- 7.) Forced Village Install (Spring of Following Year)

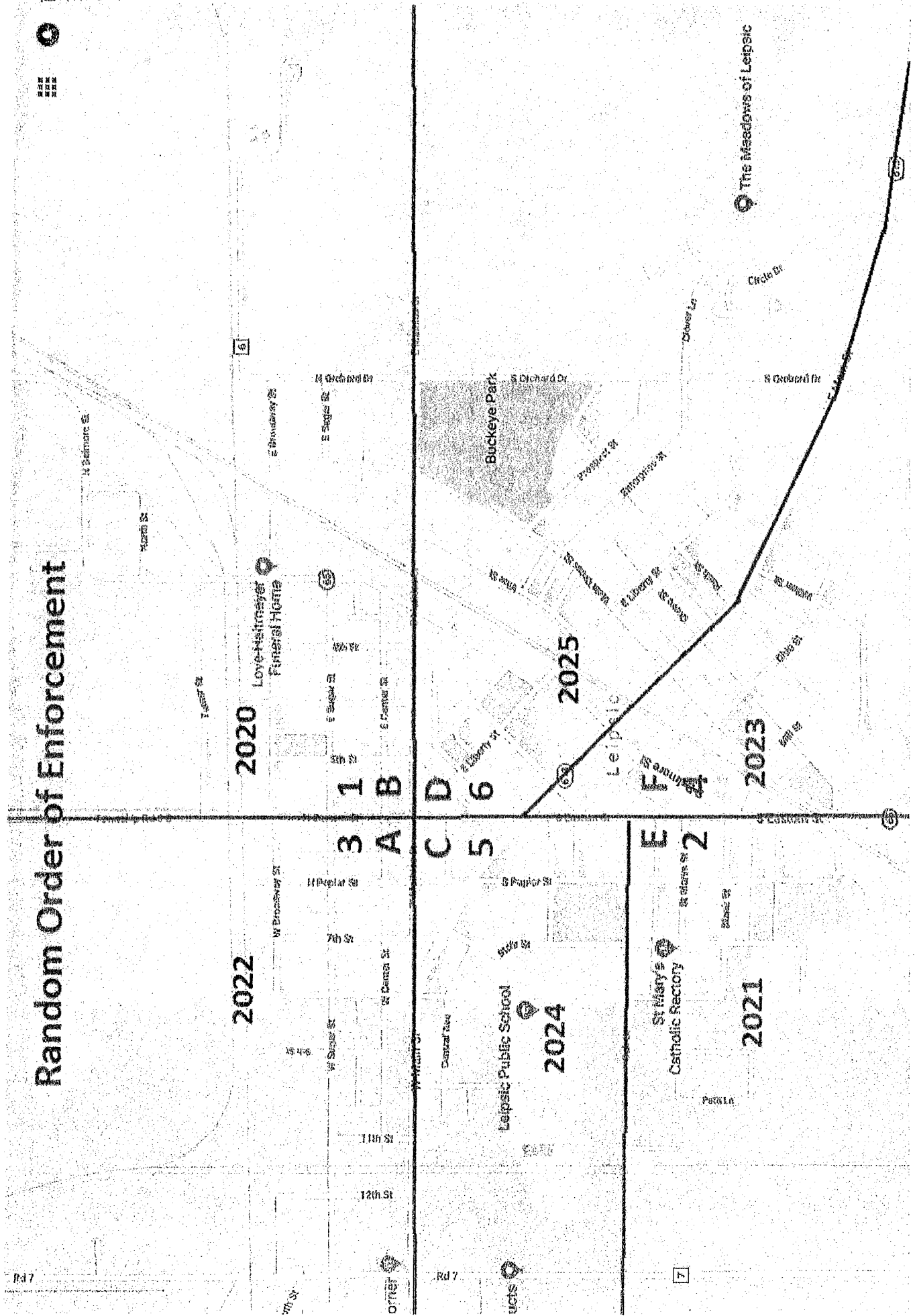
Financial Responsibility:

The Village will be responsible for all financial costs occurred for projects initiated by the Village to remedy sidewalks on boulevards in front of Village owned property. In addition, the Village will be responsible for making the alley crossings an appropriate surface in the area of the sidewalks. All other costs for remedy will be applied to the property taxes of the property owner where the repair occurred if not otherwise paid. These sums will be applied to the taxes of the property owner in a lump sum in accordance with Ohio law, unless the property owner has indicated a preference to have the sum carried forward with interest and split across a ten-year period via tax payment. The Village will be paid in one of three ways. 1.) Up Front 2.) Lump Sum on Taxes 3.) Ten-year split on taxes. If the Village can secure a low interest or 0 percent interest loan such savings will be shared with residents. If this is not a possibility the interest costs will be incurred by the residents.

Appeals: All appeals of the decisions of the Administrator must be made on merit of a failure in process or failure to properly interpret or enforce the stipulations established by this document, the Leipsic Walks Grant Program and the "Village of Leipsic Sidewalk Construction Standards." Upon ruling of the Leipsic Walks Board all decisions are final.

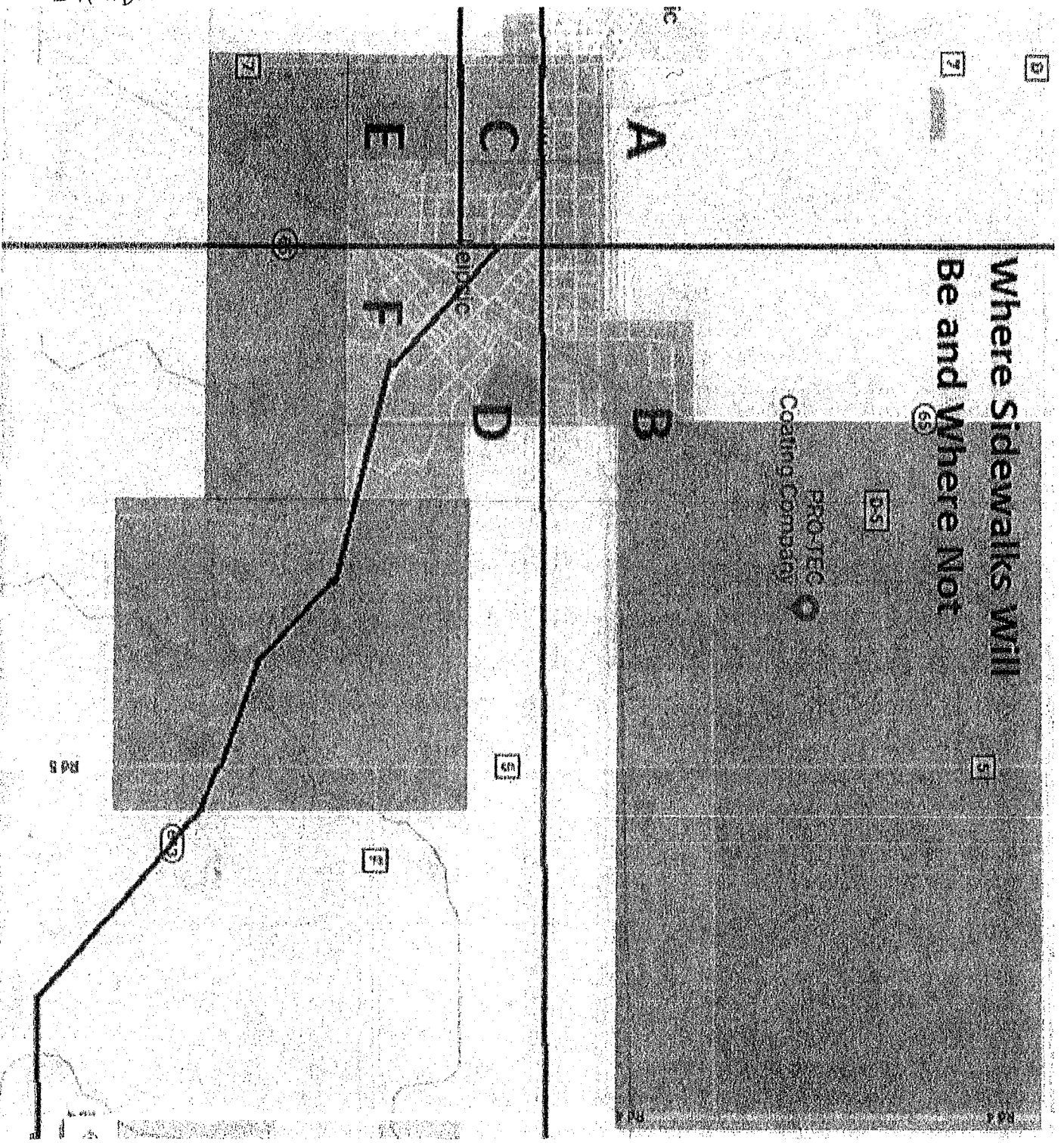
Approved Sidewalk Installers: No grant applicant is eligible for grant funds or extension of bulk concrete pricing if they are not using an approved sidewalk installer or installing the sidewalk themselves in accordance with the Village sidewalk specifications. Contractors not already approved, will be approved on a rolling basis upon completion of an application and the findings of the Village Administrator that the contractor is qualified to complete the work in accordance with the specifications of the Village.

Random Order of Enforcement



Where Sidewalks Will Be and Where Not

PRO-TEC Coating Company



Other Communities

The closest community that has recently undertaken sidewalks is Bluffton. This section includes their ordinance and policies. There is also handouts from Oregon on the Bay, the City of Marysville, City of Mentor and the sidewalk grant program operated by the Village of Ashville.



Pay Utility Bill Online

Search ...

Apply for Sidewalk/Curb Assistance

Several years ago the Village of Ashville Mayor began a program to promote sidewalks in the community. The Sidewalk/Curb Assistance was to provide a safe area for pedestrian use. Without a sidewalk people would have to use the front yard of a home or the street. See established to encourage sidewalks. This program has been extended to include curbs. A resident can apply for up to \$500 (sidewalk grant forms are available at 200 East Station Street or online below.

Sidewalk/Curb Application

The requirements for size/location (planning & zoning ordinance), and construction (Columbus Building Standards) of a sidewalk or curb can be found under "Village Departments" the dropdown is "Planning & Zoning/Building" or clicking on the sidewalk image to the right.

Village of Ashville, Ohio

Govt/Employee Login

P.O. Box 195

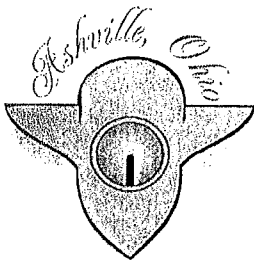
200 East Station Street

Ashville, OH 43103

Administrative Office Hours

Monday-Friday

8:00 am - 4:30 pm



World's Oldest Traffic Light

MAYOR'S SIDEWALK AND CURB IMPROVEMENT PROGRAM APPLICATION FOR SIDEWALK AND CURB CONSTRUCTION FINANCIAL ASSISTANCE APPLICATION

Instructions: This form must be submitted and approved before any work begins. You will receive a reply either by mail or email telling you whether your request is approved. You may begin work after this approval. Failing to follow this procedure will be grounds to deny your request.

I, _____, residing at _____ hereby request that the Village of Ashville consider my application for sidewalk and/or curb construction financial assistance up to \$ 500.00 (Sidewalk) and/or (Curb) or half of the project cost, which ever is lower. The job location is _____, with utility service ID# _____.

My project is for _____ feet of frontage and will involve: (circle one) **Sidewalk repairs only** or **Sidewalk and curb repairs**.

Have you contacted neighbors about your planned project? Yes No

If so, are they interested in also getting sidewalks constructed at this time? Yes No

If so, what is/are their address/addresses? _____

Describe any safety concerns you have with your sidewalk and/or curb in its current conditions.

Please contact me by: (circle one) mail or email. Contact address:

I respectfully submit this application on this the _____ day of _____, 20__.

Signature

FOR OFFICE USE ONLY

Application: approved or not approved

Signature

Comments: _____

ThisWeek

COMMUNITY NEWS

Council approves new sidewalk incentive policy

By NATE ELLIS, ThisWeek Community News

Posted Jun 16, 2015 at 12:01 AM

Updated Jun 17, 2015 at 3:10 PM

In an effort to enhance the community's walkability and connectivity, Upper Arlington has set aside \$100,000 to encourage sidewalk construction and offset residents' costs for the work.

In an effort to enhance the community's walkability and connectivity, Upper Arlington has set aside \$100,000 to encourage sidewalk construction and offset residents' costs for the work.

Council voted unanimously June 8 to implement a series of new sidewalk initiatives designed to encourage building more walkways throughout the city.

Included in the policy is a directive to create a \$100,000 fund, that will be used to help build new sidewalks and connect them to existing ones.

The fund was proposed last December by council Vice President Debbie Johnson, who also heads council's sidewalk committee.

While the new policy doesn't require the city to maintain the sidewalk incentive fund beyond this year, a council policy letter issued June 8 states there is "a goal of continuing this level of funding in the future."

It will work in tandem with an existing policy that says sidewalks must be built on a street if owners of at least 60 percent of the linear property frontage support a petition for their construction.

While those sidewalks are installed at property owners' expense, the incentive program would supplement projects that have majority support.

For instance, a petition with 65 percent support would receive a city contribution of 15 percent toward the total sidewalk installation cost.

A petition with 75 percent support would receive a 20-percent city contribution, and petitions with 80 percent support would receive 25 percent.

For each 5 percent petition support over 80 percent, the city would increase its contribution by 5 percent.

"Our goal, No. 1, is to get neighborhoods to put sidewalks in," Johnson said. "If more people sign on, the more money they would get, the more support they would get from the city and their assessments would be less."

Another sidewalk initiative approved by council June 8 is a new policy for using set-aside matching funds when the city is unsuccessful in obtaining Safe Routes to Schools grants.

Each year, the Ohio Department of Transportation hands out grants to communities that apply for Safe Routes to Schools grants. The grants are designed to connect sidewalks from neighborhoods to schools, and cities that receive the grants are required to provide a specified level of matching funds.

Under Upper Arlington's new policy, money that is set aside to match Safe Routes to Schools grants would be directed to other sidewalk installation projects throughout the city when the state grants are not awarded locally.

Additionally, the policy approved June 8 will require city staff to identify street blocks throughout the city that currently have sidewalks along at least 60 percent of their frontages.

For those that do, the city will require that sidewalks be installed "to complete a continuous block between intersecting streets ... by the abutting property owner, or at his/her expense unless otherwise directed by the city council."

“We’d like to be more aware of where the gaps are,” Johnson said. “Our goal is to fill the gaps. We have to look at it as the whole picture instead of picking out here and there, and we’ll look at priority areas.”

The new policy said “priority areas” will be determined based on a quarter-mile radius from community centers, including schools, parks and commercial areas.

Sidewalk & Curb Improvement Program

Fact Sheet

April 1, 2016

\$30,000

Annual funding amount for the program. Each property included in the program is eligible for up to \$1,500 to reimburse 50% of the cost of replacement.

Who Builds It?

Applicants can choose the contractor of their choice. The contractor must be registered with the City to be eligible for the program.

Units of Measure

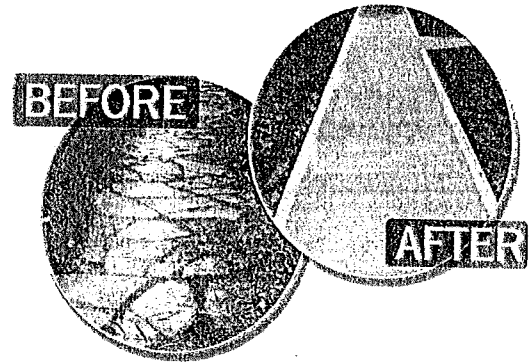
Sections of sidewalk will be evaluated from joint to joint, typically 4 foot sections. Curb replacement will be evaluated in 5 foot sections. Partial sections will not be considered for reimbursement.

Property Value

Sidewalk and curb improvements can help increase property values and enhance the overall look and feel of our neighborhoods.

Introduction

Property owners are responsible for the maintenance, repair, and replacement of sidewalks and curbs adjacent to their property (ORC 729.01). To help offset the cost of replacement, the City has implemented a program that can partially reimburse the owner for costs incurred for sidewalk and curb replacement. An application can be obtained by visiting City Hall or the City's website at: www.marysvilleohio.org and click on Engineering.



How it Works

1 Application

An application is filed by the property owner to request their sidewalk and/or curb to be reviewed for program eligibility. Also to be included with the application is a quote from a contractor licensed with the City.

2 Inspection

After notification that the request has been approved, the replacement work can be scheduled. Inspection is required by the City prior to concrete placement to assure compliance with City standards.

3 Reimbursement

When the work is complete, submit the invoice indicating the cost of the approved work along with proof of payment in full to receive reimbursement for 50% of the cost up to \$1,500.

Eligibility: Examples of Deterioration

Cracking:

Cracking in concrete is normal and a single crack may not require the need for replacement, but multiple cracks in one panel of sidewalk or section of curb may qualify that section to be included in the replacement program.

Loose Concrete:

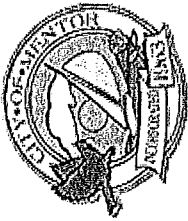
Loose or debonded concrete in a section of curb or panel of sidewalk will be eligible for replacement funding. Spalling or any other type of aesthetic defect with the surface of the concrete cannot be used as eligible criteria for replacement.

Settlement:

Settlement of a section of curb or panel of sidewalk could pose a tripping hazard or drainage issue and will qualify for the program as long as the settlement is a 1/2 inch or more. This will be measured from the first section of sidewalk or curb that is still at plan grade.

Uneven Surface:

Brick sidewalks are eligible if the surface is uneven and provides an issue with ADA accessibility. In addition, concrete sidewalks that are leaning to one side could also qualify if the cross slope (grade sloping from one side to the other) is more than 2%.



CITY OF MENTOR
the city of choice!



Sidewalk Repair Program

Sidewalk Damaged by a Street Tree

The City will replace up to three slabs of sidewalk that have been damaged by a live street tree within the public right of way. The street tree must still be standing during the time of inspection; trees that were previously removed are not eligible. Replacement will occur at the time the City's sidewalk contractor is working within the current sidewalk zone. Repair of sidewalk slabs outside of the current construction zone is the responsibility of the property owner.

Curb Ramps

The city will be responsible for the maintenance and repair of curb ramps at intersections across public streets.

Contact:

City of Mentor's Engineering Department
8500 Civic Center Blvd., Mentor, Ohio
44060
(440) 974-5785
building@cityofmentor.com

Over time, sidewalks can become damaged from weathering, tree roots, and even regular use. A sidewalk maintenance program has been developed by the City of Mentor to regularly inspect, repair or reconstruct damaged sidewalks. The goal is to provide a safe pathway for pedestrian travel. Mentor Code of Ordinances Sections 913.06 and 1349.21 require that property owners be responsible for maintaining and repairing public sidewalks that are adjacent to their property.

Inspection Frequency

For the purpose of this program, the city is divided into 17 geographical areas. Each year, the sidewalks in one of those 17 areas will be inspected in accordance with the criteria

established by the City Engineer to determine if sidewalk repairs are necessary. For 2018, the inspection area is **Zone 4B**.

Sidewalks will be inspected outside of the geographical area if a complaint is received on the condition of a sidewalk.

Inspection Criteria

A city inspector will identify sidewalk panels for repair or replacement that meet one or more of the following criteria:

- The sidewalk is displaced with a vertical edge of 3/4" or more.
- The sidewalk is depressed or raised more than 3" from the normal line of grade at any place.
- The sidewalk has cracked into 3 or more pieces, has cracks that are between 1/4" to 3/4" wide or greater or is missing a full depth piece of concrete.
- The sidewalk has spalled over 75% of the surface.
- The sidewalk has horizontal separations equal to or greater than 3/4" within the square, or greater than 1" at the sidewalk joints.
- The cross slope of the sidewalk exceeds more than 1" per foot.
- Missing slabs of sidewalk.

Sidewalks will be marked using the follow symbols denoting the deficiency to be repaired.

Sidewalk Repair Symbol Legend

- C = Cracked Slab
- D = Dip or drop in slab
- M = Missing slabs that are required to be installed
- S = Slope of slab toward the street
- V = Vertical misalignment of the slab
- X = Complete removal of slab for repair
- X-city = City will perform complete removal of slab for repair.

The inspector will report deficiencies to the homeowner on the ***Sidewalk Inspection Report***. Acceptable methods to repair sidewalk deficiencies are also shown on

The Sidewalk Inspection Report .

Repair Process

Property owners adjacent to any sidewalk that is marked for repair will be notified of their responsibility to repair the sidewalk through a notification letter that is sent to the owner of record by certified mail, as listed at the Lake County Auditor's Office.

Along with the notification letter, copies of the Sidewalk Inspection Report and **Sidewalk Specification Sheet** are mailed to the property owner. The deadline for the completion of the repair work is 45 days from receipt of the certified notification letter.

A permit is required for the repair work only if sidewalk will be replaced. The contractor performing the work will need to be registered with the city. There is NO FEE for this permit. A permit application can be downloaded and then completed and brought in or mailed to the Engineering Department.

Concrete slab replacement for sidewalks shall conform to the following detail: **Sidewalk Detail**. Where full concrete slabs will be replaced, inspection of the stone base and formwork is required prior to the placement of concrete. Inspection of sidewalk slabs that have had cracks sealed or have been leveled by slab-jacking will take place after the property owner contacts the City to indicate that the work has been completed. The property owner will be notified if the repair work is unsatisfactory. If no attempt is made to repair the sidewalk, or if the unsatisfactory repairs have not been corrected within the time frame for completion, the City will perform the repair work to be completed through assessment.

Once the repair work has been completed and Mentor City Council has certified the assessment costs, the costs plus interest are then assessed against the property owner's taxes to be paid in six semi-annual installments. Property owners also have the option to pay the assessed work off within 30 days after Council certifies the assessment costs.



CITY OF MENTOR

8500 Civic Center Boulevard, Mentor, OH 44060 USA

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OREGON⁽¹⁾

in the bay

Menu | [City Directory \(/index.php/City-Directory/city-directorySh.htm\)](/index.php/City-Directory/city-directorySh.htm)...

Home

(/)

City Council

(/city-council/city-council.html)

City Departments

(/general/city-departments.html)

City Court

(<http://www.oregonmunicipalcourt.us>)

Economic Development

(<http://oregonohio.com/>)

Oregon on the Go

(<http://oregononthego.org/>)

Jobs

(/city-departments/job-opportunities/testing-dates.html)



SIDEWALK PROGRAM

The City of Oregon has implemented a Sidewalk Program to improve existing sidewalks that are in need of repair or replacement. Per Section 909.02 of the Oregon Codified Ordinances, *"Every owner of any lot or parcel of land shall keep and maintain sidewalks now or hereafter constructed along all streets adjoining such land in good order and repair and free from nuisance."*

Objective

Improve the overall condition and quality of the existing sidewalks to provide a safe pathway for pedestrian travel in the City of Oregon.

Program Details

- Annual Program for replacing and repairing existing deficient sidewalks in the City of Oregon.

- Program will concentrate on one area of the city per year.
 - 2004 Sidewalk Program Area Map (/images/stories/docs/sidewalks/sidewalk.pdf)
 - 2005 Sidewalk Program Area Map (/images/stories/docs/sidewalks/sidewalk05.pdf)
 - 2006 Sidewalk Program Area Map (/images/stories/docs/sidewalks/sidewalk06.pdf)
 - 2007 Sidewalk Program Area Map (/images/stories/docs/engineering/sidewalk07.pdf)
 - 2008 Sidewalk Program Area Map (/images/stories/docs/sidewalks/sidewalk08.pdf)
 - 2009 Sidewalk Program Area Map (/images/stories/docs/sidewalks/sidewalk09.pdf)
 - 2010 Sidewalk Program Area Map (/images/stories/docs/engineering/sidewalk10.pdf)
 - 2014 Sidewalk Program Area Map (/images/stories/docs/engineering/mapsidewalk14.pdf)
 - 2016 Sidewalk Program Area Map
(<http://www.oregonohio.org/images/stories/docs/engineering/mapsidewalk2016.pdf>)
 - 2017 Sidewalk Program Area Map
(<http://www.oregonohio.org/images/stories/docs/engineering/mapsidewalk2017.pdf>)
- By law, property owners are required to maintain abutting sidewalks in a safe condition.
- Department of Public Service will inspect sidewalks in the selected area for deficiencies based on the Sidewalk Inspection Criteria (http://www.oregonohio.org/index.php?option=com_content&view=article&id=21:sidewalk-inspection-criteria&catid=39&Itemid=126).
- Sidewalk sections meeting any of the Sidewalk Inspection Criteria (http://www.oregonohio.org/index.php?option=com_content&view=article&id=21:sidewalk-inspection-criteria&catid=39&Itemid=126) will be marked with a white letter denoting the sidewalk deficiency and will be the responsibility of the property owner to repair or replace.
- Sidewalk sections marked with a white "O" will be replaced or repaired at the City of Oregon's expense if it is determined that a tree in the right of way caused the damage.
- Oregon City Council will, by Resolution (<http://www.oregonohio.org/images/stories/docs/engineering/sidewalkresolution.pdf>), order sidewalks to be repaired or reconstructed and the costs thereof assessed and collected as provided by law.
- Property owners will be sent by certified mail (<http://www.oregonohio.org/images/stories/docs/engineering/samplenoticeletter.pdf>) notices and given the opportunity to make corrections within a given time frame (approximately 45 days).
- During the given time frame, property owners may perform the required repairs or replacements themselves or hire a licensed contractor for the sidewalk sections marked with a white letter.
- A permit (/images/stories/docs/buildingzoning/sidewalkapplication.pdf) is required for the replacement of the sidewalk through the Building and Zoning Department (<http://www.oregonohio.org/city-departments/building/zoning/building-and-zoning-inspection-department.html>).
- Construction of sidewalks must be in accordance with the City of Oregon's "Rules and Regulations for Construction of Driveways, Sidewalks, and Curb cuts in the Public Right of Way" available through the Department of Public Service or Building and Zoning Department.
- No concrete shall be poured without inspection by the Building and Zoning Department (<http://www.oregonohio.org/city-departments/building/zoning/building-and-zoning-inspection-department.html>) (Failure to get an inspection may require removal of the material).
- City will hire a contractor to make corrections for all sidewalks not repaired or replaced by the property owner during the given time frame.
- Where the City is required to contract the work, an invoice will be mailed to the property owners for the amount to be assessed based on the dimensions of actual work completed, interest, advertising cost, legal fees, administrative, and inspection costs associated with the project.
- Property owners will have the opportunity to payoff the assessment in full within 30 days of notice or over a two-year period (with interest added) on real estate tax bills.
- Property owners will be assessed 100% of the cost for the work associated with repairing the sidewalks abutting their property where invoices for city contracted work not paid.

For additional information contact the Department of Public Service at (419) 698-7047

Duty to Maintain Sidewalks

Oregon Municipal Code (/images/stories/docs/engineering/ch909sidewalk.pdf)

Chapter 909 Sidewalks, Curbs and Driveways

909.02 Duty to Maintain Sidewalks.

Every owner of any lot or parcel of land situated within the corporation limits of the City shall keep and maintain sidewalks now or hereafter constructed along all streets adjoining such land in good order and repair and free from

nuisance. Furthermore, each such owner shall construct good and sufficient sidewalks abutting the property owned by him as provided in this chapter and the laws of the State. (Ord. 110-1959. Passed 11-9-59.)

909.10 Notice to Construct, Repair or Reconstruct; Cost Assessment.

Notice to construct, repair or reconstruct sidewalks or driveways or make curb openings shall be as provided by law. Council may, by resolution, order sidewalks or driveways to be constructed, repaired or reconstructed, and the costs thereof may be assessed and collected as provided by law. If the owner neglects to construct, repair or reconstruct a sidewalk or driveway within the time specified in the notice required to be given, it shall be the duty of the Director of Public Service to construct, reconstruct or repair such sidewalk or driveway or cause the same to be done in such case, all of the cost and expense of constructing, repairing or reconstructing such sidewalk or driveway shall, as directed by ordinance of Council, be assessed as provided by law against the adjoining or abutting property, lots or lands. (Ord. 098-2008. Passed 6-9-08.)

Public Service

5330 Seaman Road
Oregon, OH 43616

419-698-7047
419-691-0241 fax

Hours:
8:00a – 4:30p M-F

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- City of Oregon Bidding Information (</engineering/engineering/bidding-information.html>)
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Latest News

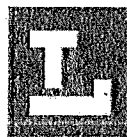
- Road Closure: Lallendorf Rd between Seaman Rd & Corduroy Rd (</engineering/road->

closures/road-closure-
 lallendorf-rd-between-
 seaman-rd-corduroy-rd.html)

- Navarre Ave Lane Closures
 (/engineering/road-
 closures/navarre-ave-lane-
 closures.html)
- Arthur Street Storm Sewer
 Improvement
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 project-information/arthur-
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- Grasser Street Sanitary,
 Storm & Waterline
 Improvements
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Oregon Economic
Development Foundation

(<http://www.oregonohio.com/>)

ORDINANCE NO. 07-13

**AN AMENDED ORDINANCE ESTABLISHING THAT SIDEWALKS BE
CONSTRUCTED AND MAINTAINED IN ALL RESIDENTIAL AREAS OF THE
VILLAGE OF BLUFFTON, OHIO**

WHEREAS: the Council of the Village of Bluffton finds that there exists a need in the Village of Bluffton, Ohio that all residential areas of the Village have available for the public use and public good, properly constructed and maintained sidewalks, and;

WHEREAS: the Council of the Village of Bluffton specifically finds that a comprehensive program of maintenance, repair, construction and reconstruction must take place and costs thereof be assessed against the several property owners and;

WHEREAS: the Council finds that a series of resolutions and ordinances may be required to complete this program, of which, this ordinance is deemed to be the initiating or primary ordinance;

**IT IS THEREFORE ORDAINED BY THE COUNCIL OF THE VILLAGE OF BLUFFTON,
OHIO THAT:**

SECTION 1: any and all existing sidewalks within the Village of Bluffton Ohio shall be maintained and repaired in good order pursuant to the standards and designs as specified in Exhibit "A" that is attached hereto, which may from time to time be amended by the Village Administrator or by the Village council at its discretion.

SECTION 2: the Village of Bluffton Council hereby directs the Village Administrator to enforce sidewalk construction along street frontages of property owners and builders as required any subdivision covenants according to the specifications as set forth in exhibit A herein.

SECTION 3: the Village of Bluffton requires that any and all new subdivision developments or other construction developments within the Village corporation limit shall have sidewalks as specified in Exhibit "A" as attached.

SECTION 4: the Village of Bluffton requires that any block, being a rectangular area in the Village surrounded by streets and usually containing several buildings where there is at least one residential structure, within the Village of Bluffton, Ohio that has existing sidewalks comply with the design standards set forth herein.

SECTION 5: any area of the Village where there is a residential structure existing that does not currently have a sidewalk with install and maintain a sidewalk that complies with the design standards set forth herein.

SECTION 6: PROJECT PHASES AND GENERAL TIME LINES: the overall sidewalk project for the Village of Bluffton shall take place in three (3) phases as set forth in this section;

For purposes of this project, the Village of Bluffton shall be divided into the South East half and North West half with Main Street in Bluffton acting as the dividing line, and the following definitions shall apply:

EXISTING SIDEWALK REPAIR: Any and all *existing sidewalks* within the Village of Bluffton will be reviewed by the Village Administrator or his designee to determine if the said *existing sidewalk* is in need of repair or replacement.

CONSTRUCTION AND INSTALLATION OF CONNECTING SIDEWALKS: The Village Administrator or his designee shall identify those residential areas of the Village of Bluffton where sidewalks do not, as of the date of this Ordinance, exist, but where there are shorter areas fronting streets where sidewalks would, in the judgment of the Village Administrator or his designee, be an extension of existing sidewalks. These shall be deemed *Connecting Sidewalks* for purposes of this project. Any and all *connecting sidewalks* within the Village of Bluffton will be reviewed by the Village Administrator or his designee to determine if the said *connecting sidewalk* should be constructed and installed.

CONSTRUCTION AND INSTALLATION NEW SIDEWALKS: The Village Administrator or his designee shall identify those residential areas of the Village of Bluffton where sidewalks do not, as of the date of this Ordinance, exist in residential areas but would, in the judgment of the Village Administrator or his designee, be an area where sidewalks should be installed (also being areas not included in Phase One or Phase Two). These shall be deemed *New Sidewalks* for purposes of this project.

Phase One: Notice shall then be provided in 2013 to each property owner of any *existing sidewalk* deemed in need of repair or replacement and any *connecting sidewalks* in the SOUTH EASTERN ONE HALF of the Village of Bluffton, Ohio. The Notice shall advise the property owner that they have until May 1, 2014 to complete any required repair, replacement or construction of such existing sidewalk and connecting sidewalk. If the said repair or replacement is not completed by May 1, 2014 then the Village shall undertake such repair and replacement and proceed to assess the property owner the costs thereof as provided by law. It is the goal to have Phase One completed at the end of the 2014 construction season.

Phase Two: Notice shall then be provided in 2014 to each property owner of any *existing sidewalk* deemed in need of repair or replacement and any *connecting sidewalks* in the NORTH WESTERN ONE HALF of the Village of Bluffton, Ohio. The Notice shall advise the

property owner that they have until May 1, 2015 to complete any required repair or replacement. If the said repair or replacement is not completed by May 1, 2015 then the Village shall undertake such repair and replacement and proceed to assess the property owner the costs thereof as provided by law. It is the goal to have Phase Two completed at the end of the 2015 construction season.

Phase Three: Any and all *new sidewalks* within the Village of Bluffton will be reviewed by the Village Administrator or his designee to determine if the said *new sidewalk* should be constructed and installed. Notice shall then be provided in 2015 to each property owner of any *new sidewalk* that should be constructed and installed. The Notice shall advise the property owner that they have until May 1, 2016 to complete any required installation and construction. If the said installation and construction is not completed by May 1, 2016 then the Village shall undertake such installation and construction and proceed to assess the property owner the costs thereof as provided by law. It is the goal to have Phase Three completed at the end of the 2016 construction season.

SECTION 7: the Village Administrator or his designee shall cost republished by means of newspaper or other public notice the intention of the Village of Bluffton Ohio to begin a sidewalk improvement repair and construction program commencing in 2013. Set noticed shall not be construed to be a legal notice triggering timelines for construction however the same shall be advisory in nature and shall advise residents that sidewalk repairs instructions will be reviewed by the Village for possible assessment at a later date.

SECTION 8: the Village Administrator or his designee shall conduct a survey of all properties the street frontage within the Village of Bluffton Ohio and create a master document indicating the name of the owner, the tax parcel number, the approximate front Street footage, and the current condition of said sidewalk at the time of review. The Village Administrator or his designee shall use the following criteria in the determination of whether sidewalks shall be repaired or replaced: 1. Cracks 2. Unevenness 3. Water pocketing 4. Stumbling blocks 5. Slipperiness.

SECTION 9: the Village of Bluffton shall thereafter undertake procedures pursuant to Ohio Revised Code Chapters 727, 729 or any other means provided by current or future law to finance and enforce construction repair or replacement of sidewalks pursuant to designs set forth in Exhibit "A" and thereafter provide requisite legal notices to residents and engage contractors for purposes of completing construction or repair sidewalks wherein the owners are noncompliant with notices.

SECTION 10: the Village Administrator or his designee shall provide a report to the Village council on a quarterly basis regarding the progress of the master sidewalk repair and improvement plan.

SECTION 11: the Mayor shall, designate two (2) members of the Council and one (1) elector of the Village of Bluffton, Ohio to act as a Review Board for the Sidewalk Project.

- a) The Mayor may make such appointments on an ad hoc basis as required.
- b) Any property owner who wishes to appeal the order or determination of the Village Administrator or his designee as to this project shall provide, in writing, such objections and deliver it to the Village Administrator within 90 days of receiving a notice to construct or repair sidewalks. Upon receipt, the matter will be scheduled for a hearing before the Review Board.
- c) The Review Board shall have the power to review the orders of the Village Administrator and may, but is not required to make recommendations or modification as may be deemed appropriate. In determining what is appropriate, the Review Board shall consider any matter deemed proper and shall specifically consider the following: 1) the difference in cost per foot of the installation of a particular section of sidewalk from the average costs, 2) the overall intent that any residential area of the Village be accessible by sidewalks.

SECTION 12: is found and determined that all formal actions of the Council concerning and relating to the adoption of this ordinance were made in open meeting of this Council and that all deliberations of this Council and any of its committees that resulted in such formal action were in meetings open to the public in accordance with all legal requirements of the Open Meetings Law including Section 121.22 of the Ohio Revised Code.

Passed and adopted this 28th day of May, 2013 by the Council of the Village of Bluffton, Ohio by the following vote:

Ayes: 6 Nays: 0 Abstain: 0

Attest:

Nancy L. Kindle
Clerk

[Signature]
Mayor

Approved as to form:

[Signature]
F. Stephen Chamberlain

**Village of Bluffton
Public Sidewalk Repair Policy**

Purpose - The purpose of this policy is to protect the public health, safety and welfare of the citizens and inhabitants of the Village by preventing and eliminating tripping hazards on the public sidewalks to pedestrians, by repairing and/or replacement of required sections of sidewalks, to achieve, as close as possible, a uniform grade. Public sidewalk - "public sidewalk" means any main or approach sidewalk, between the curb line and private property line.

Responsibility - Every owner of any lot or parcel of land situated within the Village shall keep, repair and maintain the sidewalk along all public streets, drives, avenues, boulevards or lanes adjoining such lot or parcel. The cost of such keeping, repairing and maintaining shall be the responsibility of the individual owner or Village as determined. Sidewalk sections which extend from existing sidewalks to the curb to facilitate the crossing of streets are the responsibility of the Village.

Determination factor - A public sidewalk is required to be repaired or replaced when a section(s) has a separation of one-half inch (1/2") or greater in the surface elevation which creates a tripping hazard (See sketch A). Also, a section(s) which has cracks, surface deterioration or separations which create an uneven surface and are large enough to create either a tripping hazard or a possible ankle turning situation must be replaced (See sketch B). Sidewalk sections, which meet with severe slopes or rises, greater than 10:1 shall be repaired as required (See sketch C). Village inspection of sidewalks to identify sidewalks which require repair and/or replacement will be done by walking the designated area and using a one-half inch (1/2") template to measure the amount of separation.

Repair/Replacement - Public sidewalk repair and/or replacement can be accomplished by the following methods:

1. Remove the existing damaged section(s) of sidewalk and replace with new section(s) of sidewalk per Village Sidewalk Specifications. (A copy follows this policy). Replacement sections shall be extended to existing control/expansion joints.
2. Raise or lower specific section(s) of sidewalk using compacted berm stone as a sub-base for the walk. Sidewalk leveling can also be achieved by concrete leveling contractors who drill holes in sidewalk and pump a concrete or grout mixture under the walk, which raises it and levels the walk.
3. If the section(s) break or separation is not located at a sidewalk joint, then the sidewalk section(s) must be replaced with new sidewalk.
4. If a property owner wishes to repair/replace the sidewalk themselves, or hires a contractor to repair/replace the adjacent sidewalk, they must first obtain a sidewalk permit from the Village. (Copy is attached).

5. Sidewalk sections which must be replaced with new concrete must meet the sidewalk specifications of the Village of Bluffton. (Copy is attached).

Sidewalk Marking - Sidewalks requiring repair/replacement or mud jacking will be marked by appropriate Village officials during the initial inspection. The markings used will be as follows:

1. White marks on the edge of a section of sidewalk which has a separation of one-half inch (1/2") or greater means the section can be repaired by either leveling the adjacent section of sidewalk or the lower section can be replaced with new concrete. The appropriate Village officials will be responsible for marking individual sections of sidewalks to be repaired with white x to "remove & replace" or white line to "Mud Jack" lift & level.
2. Two white end lines with arrows in between means that all sections between the end lines must be replaced with new concrete.
3. "CR" marked on sidewalks at curbs means the sidewalks and curb must be removed and replaced with curb ramps in accordance with Ohio Department of Transportation (ODOT) standards. This is normally done by a contractor and is the responsibility of the Village.

NOTE: All underground systems within the public right of way, such as "irrigation systems" and pet "invisible fences" will be the property owner's responsibility to identify. Please do not hesitate to call if you have any question.

Trees

The Village of Leipsic Arbor Commission committed to actively reducing the number of large street trees that are shallow rooted and hazardous to sidewalks. The Arbor Commission will need increased funds and will need Village employees to have the tools needed to remove some larger trees to remove all the problem causing trees.

We know the Silver Maple is the most detrimental to sidewalks. The Arbor Commission has a list of trees which is being updated and will be maintained in this section of the report. The Arbor Commission will also work to more actively see that the appropriate trees are planted in the Tree Ways of the Village to protect existing and new sidewalks.

City of Bowling Green
Urban Forestry Division

Small Deciduous Street Trees (Less Than 20 Feet)

Shape: O - Oval, R - Round, U - Upright, W - Weeping, P - Pyramidal
 Growth Rate: S - Slow, M - Medium, F - Fast
 Flower: W - White, Y - Yellow, R - Red, P - Pink
 Tolerance: L - Low, M - Medium, H - Hi
 Insects & Disease Resistance: L - Low, M - Medium, H - Hig

Common Name/Cultivar	Botanical Name	Height (ft.)		Spread (ft.)	Flower	Growth	Urban Tolerance	Salt Tolerance	Drought Tolerance	Insect Resistance	Disease Resistance
		15	18								
Globe Norway Maple	Acer plat 'Globosum'		R			S	H	H	H	H	H
Serviceberry - 'Autumn Brilliance', 'Cole's Select', 'Princess Diana'	Amelanchier x grandiflora	20	U	W		M	M	M	M	H	H
Adirondack Crabapple	Malus 'Adirondack'	18	U	W		M	M	M	M	H	H
Doubloons Crabapple	Malus 'Doubloons'	18	U	W		S	H	M	M	H	H
Jackii Crabapple	Malus 'Jackii'	20	R	W		M	H	M	M	H	H
Prairifire Crabapple	Malus 'Prairifire'	20	R	R		M	H	M	M	H	H
Purple Prince Crabapple	Malus 'Purple Prince'	20	R	R		M	H	M	M	H	H
Sentinel Crabapple	Malus 'sentinel'	20	U	P		M	H	M	M	H	H
Sugar Tyme Crabapple	Malus 'Sutgزام'	18	U	W		M	H	M	M	H	H

City of Bowling Green
Urban Forestry Division

Medium Deciduous Street Trees (20 Feet to 40 Feet)

Shape: O - Oval, R - Round, U - Upright, W - Weeping, P - Pyramidal
 Growth Rate: S - Slow, M - Medium, F - Fast
 Flower: W - White, Y - Yellow, R - Red, P - Pink
 Tolerance: L - Low, M - Medium, H - Hi
 Insects & Disease Resistance: L - Low, M - Medium, H - Hig

Common Name/Cultivar	Botanical Name	Height (ft.)		Spread (ft.)		Flower		Growth Rate		Urban Tolerance		Salt Tolerance		Drought Tolerance		Insect Resistance		Disease Resistance	
		30	40	20	40	W	Y	S	M	H	L	M	H	L	M	H	L	M	H
Hedge Maple	Acer campestre	30	30	R				S	H	H	H	H	H	H	H	H	H	H	H
Tatarian Maple	Acer tataricum	25	20	O				S	H	H	H	H	H	H	H	H	H	H	H
Norwegian & Pacific Sunset Maple	Acer truncatum x platanoides	35	25	U				S	H	H	H	H	H	H	H	H	H	H	H
Serviceberry - 'Allegheny', 'Snowcloud', 'Robin Hill', 'Cumulus', 'Lamarckii'	Amelanchier laevis Amelanchier x grandiflora	25	15	U	W			M	M	M	M	M	M	M	M	M	M	M	M
European Hornbeam	Carpinus betulus	35	25	U				S	M	M	M	M	M	M	M	M	M	M	M
American Hornbeam	Carpinus caroliniana	25	20	O				S	M	M	M	M	M	M	M	M	M	M	M
Yellowwood	Cladrastis kentukea	30	40	O	Y			M	M	M	M	M	M	M	M	M	M	M	M
Thornless Cockspur Hawthorn	Crataegus crusgalli "Inermis"	25	25	R	W			S	H	H	H	H	H	H	H	H	H	H	M
Ohio Pioneer Hawthorn	Crataegus punctata 'Ohio Pioneer'	25	20	R	W			S	H	H	M	M	M	M	M	M	M	M	M
Goldenrain Tree	Koeleruteria paniculata	30	30	R	Y			M	H	H	H	H	H	H	H	H	H	H	H
Amur Maackia	Maackia amurensis	25	20	U	W			S	M	M	M	M	M	M	M	M	M	M	M
American Hophornbeam	Ostrya virginiana	35	25	U				S	M	M	M	M	M	M	M	M	M	M	M
Trinity Pear	Pyrus calleryana 'Trinity'	30	25	R	W			F	H	H	H	H	H	H	H	H	H	H	H
Ivory Silk Tree Lilac	Syringa reticulata 'Ivory Silk'	30	20	O	W			M	H	H	H	H	H	H	H	H	H	H	H
Chancellor Linden	Tilia cordata 'Chancellor'	35	20	P				F	H	H	M	M	M	M	M	M	M	M	M

**City of Bowling Green
Large Deciduous Street Trees (40 Feet and Over)**

Shapes: O - Oval, R - Round, U - Upright, W - Weeping, P - Pyramidal
 Growth Rate: S - Slow, M - Medium, F - Fast
 Flower: W - White, Y - Yellow, R - Red, P - Pink

Urban Forestry Division

Tolerance: L - Low, M - Medium, H - Hi
 Insects & Disease Resistance: L - Low, M - Medium, H - Hig

Common Name/Cultivar	Botanical Name	Height (ft.)		Flower		Growth		Urban		Tolerance		Insect		Disease	
		Spread (ft.)	Height (ft.)	Spread (ft.)	Height (ft.)	Rate	Urban	Safe	Drought	Tolerance	Resistance	Resistance			
Autumn Blaze Maple	Acer x freemanii 'Jeffers Red'	40	50	R	40	F	M	L	M	H	H	H	H		
Armstrong Maple	Acer x freemanii 'Armstrong'	15	45	U	15	F	M	L	M	H	H	H	H		
Celebration Maple	Acer x freemanii 'Celebration'	20	45	U	20	F	M	L	M	H	H	H	H		
Cleveland Norway Maple	Acer platanoides 'Cleveland'	30	40	U	30	M	H	H	H	H	H	M	M		
State Street Maple	Acer miyabei	30	45	U	30	M	H	H	H	H	H	H	H		
Black Maple	Acer nigrum	35	50	U	35	S	H	M	H	H	H	M	M		
Emerald Lustre Norway Maple	Acer platanoides 'Pond'	40	45	R	40	M	H	H	H	H	H	M	M		
Jade Glen Norway Maple	Acer platanoides 'Jade Glen'	40	45	R	40	M	H	H	H	H	H	M	M		
Parkway Norway Maple	Acer platanoides 'Columnarbroad'	25	40	U	25	M	H	H	H	H	H	M	M		
Bonfire Sugar Maple	Acer saccharum 'Bonfire'	40	50	R	40	M	M	M	M	H	H	M	M		
Commemoration Sugar Maple	Acer saccharum 'Commemoration'	35	50	O	35	S	M	M	M	H	H	M	M		
Endowment Sugar Maple	Acer saccharum 'Endowment'	20	50	U	20	S	M	M	M	H	H	M	M		
Green Mountain Sugar Maple	Acer saccharum 'Green Mountain'	35	45	O	35	S	M	M	M	H	H	M	M		
Legacy Sugar Maple	Acer saccharum 'Legacy'	35	50	O	35	S	M	M	M	H	H	M	M		
Wright Brothers Sugar Maple	Acer saccharum 'Wright Brothers'	35	50	O	35	S	M	M	M	H	H	M	M		
Hackberry	Celtis occidentalis	50	50	R	50	M	H	H	H	H	H	H	H		
Turkish Filbert	Corylus colurna	30	40	P	30	M	M	M	M	H	H	H	H		

City of Bowling Green

Urban Forestry Division

Large Deciduous Street Trees (40 Feet and Over)

Shape: O - Oval, R - Round, U - Upright, W - Weeping, P - Pyramidal

Growth Rate: S - Slow, M - Medium, F - Fast

Flower: W - White, Y - Yellow, R - Red, P - Pink

Tolerance: L - Low, M - Medium, H - Hi

Insects & Disease Resistance: L - Low, M - Medium, H - Hig

Common Name/Cultivar	Botanical Name	Height (ft.)		Flower	Growth		Urban		Tolerance		Insect Resistance	Disease Resistance
		Spread (ft.)	Shape		Rate	Urban	Salt	Drought	Tolerance			
Ginkgo	Ginkgo biloba	35	U	S	S	H	H	H	H	H	H	H
Sweetgum	Liquidambar styraciflua	60	P	M	M	H	H	H	H	H	H	H
Black Tupelo or Black Gum	Nyssa sylvatica	40	U	M	M	M	M	M	M	M	M	M
London Planetree	Platanus x acerifolia	80	R	M	M	H	M	M	M	M	M	M
Aristocrat Pear	Pyrus calleryana 'Aristocrat'	40	U	F	F	H	H	H	H	H	H	H
Sawtooth Oak	Quercus acutissima	50	R	M	M	M	M	M	M	M	M	M
Swamp White Oak	Quercus bicolor	60	R	M	M	M	M	M	M	M	M	M
Scarlet Oak	Quercus coccinea	50	O	S	M	M	M	M	M	M	M	M
Shingle Oak	Quercus imbricaria	50	O	M	H	H	M	M	M	M	M	M
Burr Oak	Quercus macrocarpa	55	O	S	H	H	M	M	M	M	M	M
Chinkapin Oak	Quercus muehlenbergii	50	R	S	H	H	M	M	M	M	M	M
Red Oak	Quercus rubra	60	R	M	H	H	M	M	M	M	M	M
Shumard Oak	Quercus shumardii	50	U	S	H	H	M	M	M	M	M	M
Bald Cypress	Taxodium distichum	70	U	F	F	H	H	M	M	M	M	M
Redmond Linden	Tilia americana 'Redmond'	35	P	M	M	M	M	M	M	M	M	M
Corinthian Linden	Tilia cordata 'Corzam'	45	U	M	H	H	M	M	M	M	M	M
Greenspire Linden	Tilia cordata 'Greenspire'	40	P	M	H	H	M	M	M	M	M	M
Crimean Linden	Tilia x euchtora	40	O	M	H	H	M	M	M	M	M	M
Sterling Linden	Tilia tomentosa 'Sterling'	45	P	M	H	H	M	M	M	M	M	M
Accolade Elm	Ulmus 'Accolade'	50	U	F	F	H	M	M	M	M	M	M
Dynasty Elm	Ulmus parvifolia 'Dynasty'	40	R	F	F	H	M	M	M	M	M	M
Frontier Elm	Ulmus 'Frontier'	40	O	F	F	H	M	M	M	M	M	M
Pioneer Elm	Ulmus 'Pioneer'	50	R	F	F	H	M	M	M	M	M	M
Zelkova - Green Vase', 'Village Green'	Zelkova serrata	50	O	M	H	H	M	M	M	M	M	M

Recommendations to Council

Further bullet points of recommendations will be determined by the Streets, Buildings and Sidewalks Committee.

Further Council Action

This area will keep the copies and minutes of all matters that come before Leipsic Village Council as a result of this report.