

General conditions notes:

GENERAL NOTES:

1. The attached photos and sketches are approximate - Contractor to confirm exact path widths and coordinate on site to meet ADA guidelines.

2. Each RR crossing detectable warning strip to be chalked out and approved by Zoo Facility Management prior to cutting pavement.

3. 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.

https://detectable-warning.com/information/ada-guidelines

4. Cut, remove and transport existing concrete and asphalt to be recycled. Form and pour 6" thick (3500psi natural concrete with #4 bars at 12" o.c. each way over min. of 6" compacted granular fill.

5. Detectable warning strip purchase and installation per manufactures details and specifications. If providing a different product than ADA Solutions Detectable Warning Surface Panels, Cast-in-place, Replaceable, obtain written zoo approval prior to submitting bid. Specification attached.

6. Provide a total of four extra detectable warning units of each size for future use: (4) 2' x 4' and (4) 2' x 3'.

7. Bid Add Alternate A: Replace/repair/seal asphalt paving as required due to warning strip installation at all installation locations.

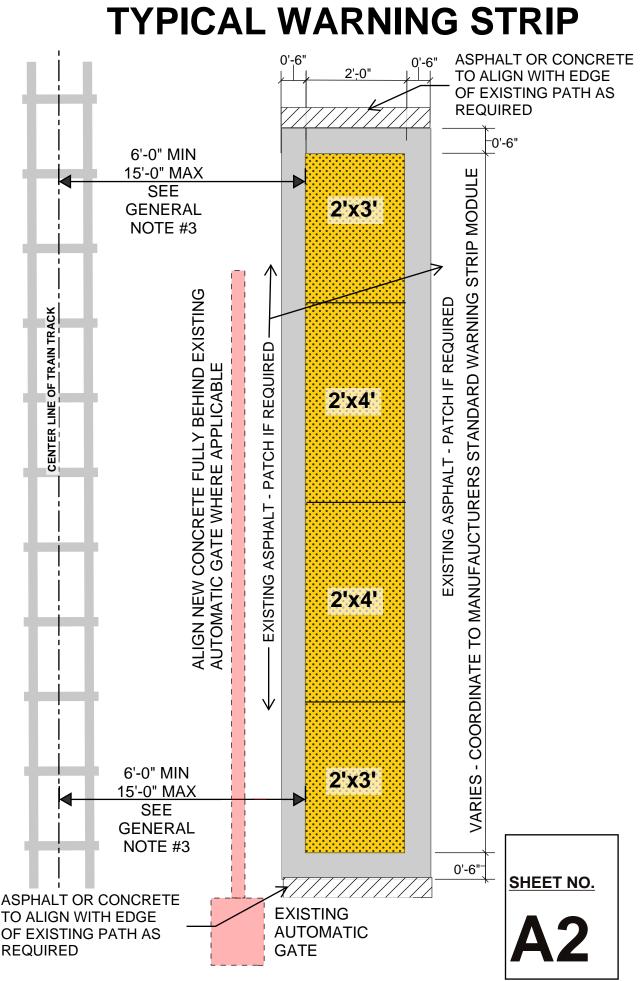
8. Note, painting not in contract. Zoo to paint pavement markings at RR crossing, etc. as needed.

CROSSING

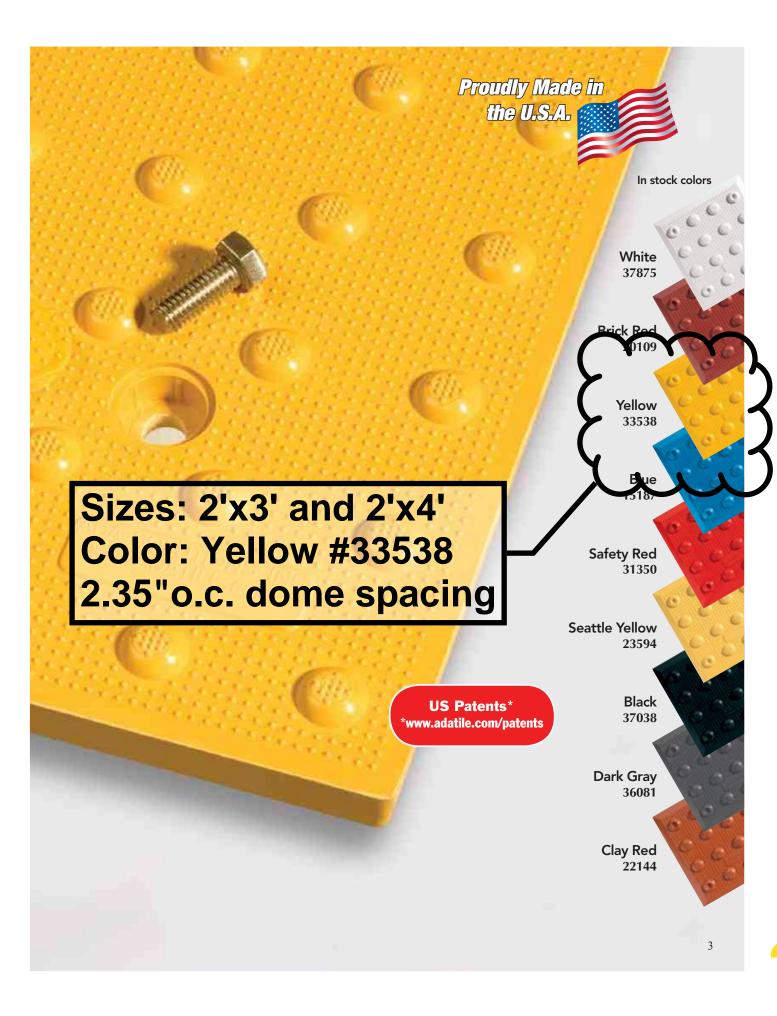
- 1. SERVICE AREA 2. PUBLIC PATHWAY
- 3. PUBLIC PATHWAY
- 4. SERVICE AREA (NO
- AUTOMATIC GATE)
- PUBLIC PATHWAY 5. 6. PUBLIC PATHWAY
- 7.
- PUBLIC PATHWAY 8. PUBLIC PATHWAY
- PUBLIC PATHWAY 9.
- **10. PUBLIC PATHWAY**
- 11. PUBLIC PATHWAY
- **12. PUBLIC PATHWAY**

Basis of design -ADA Solutions Detectable Warning Surface Panels, Cast-in-place, Replaceable or equal. See attached specification.





TO ALIGN WITH EDGE OF EXISTING PATH AS REQUIRED



CAST-IN-PLACE REPLACEABLE TACTILE

Installation Procedure

Be sure to read and understand <u>all</u> of these instructions <u>before</u> you begin.

- A. The physical characteristics of the concrete shall be as specified in the contract documents while maintaining a slump range of 4-7 inches to permit the solid placement of the ADA Cast-In-Place Replaceable Tactile Unit (ADAREP) in the wet cement.
- **B** The concrete shall be poured and finished level, true and smooth to the required dimensions prior to the placement of the ADAREP unit.
- C. Place the ADAREP unit 6-8 inches from the curb line. Working in a grid pattern, tamp the ADAREP unit into the wet concrete using a rubber mallet and a piece of wood. Continue this process until all of the air has been released, and the ADAREP unit surface is flush with the surrounding area. IMPORTANT: Avoid striking the surface of the ADAREP unit directly.
- D. Following the placement, the ADAREP unit elevation should be checked to the adjacent surface with a straight edge. The ADAREP unit elevation should be consistent with the Contract Drawings and Specifications. Any required adjustments must be made prior to the time when the concrete begins to set.
- E. IMPORTANT NOTICE TO INSTALLER: To allow for expansion and contraction, after tile is installed, use a 1/4" finish edge trowel around entire perimeter. On a continous run, be sure to space each unit 1/8" apart.
- **F.** When you are confident that the ADAREP unit is in place and no further adjustments are needed, place a cinder block on both ends, if necessary, to hold the ADAREP unit in place while the concrete sets.
- G. During and after the ADAREP unit installation, as well as the concrete curing stage, no walking or external forces can be placed on the ADAREP unit. The area must be protected from pedestrian traffic until concrete is cured. The ADAREP Warning Surface will be ready for pedestrian traffic within 2-4 hours.
- Be sure to remove plastic protective covering from the face of the ADAREP Unit once the concrete is cured.



*Not recommended or warrantied for asphalt installation.

> Do not cut Cast-In-Place Replaceable Tactile. Use an appropriate sized tactile or Radius Tactile to fit the requirement. Contact manufacturer for more details.



WWW.ADATILE.COM • 800-372-0519



Pull-Strength 6200 P.S.I.





PRODUCT SIZES 2'x3' 2'x4' 2'x5' 3'x4' 3'x5'

APPLICATION Fresh Pour Concrete Ramps & Replacement

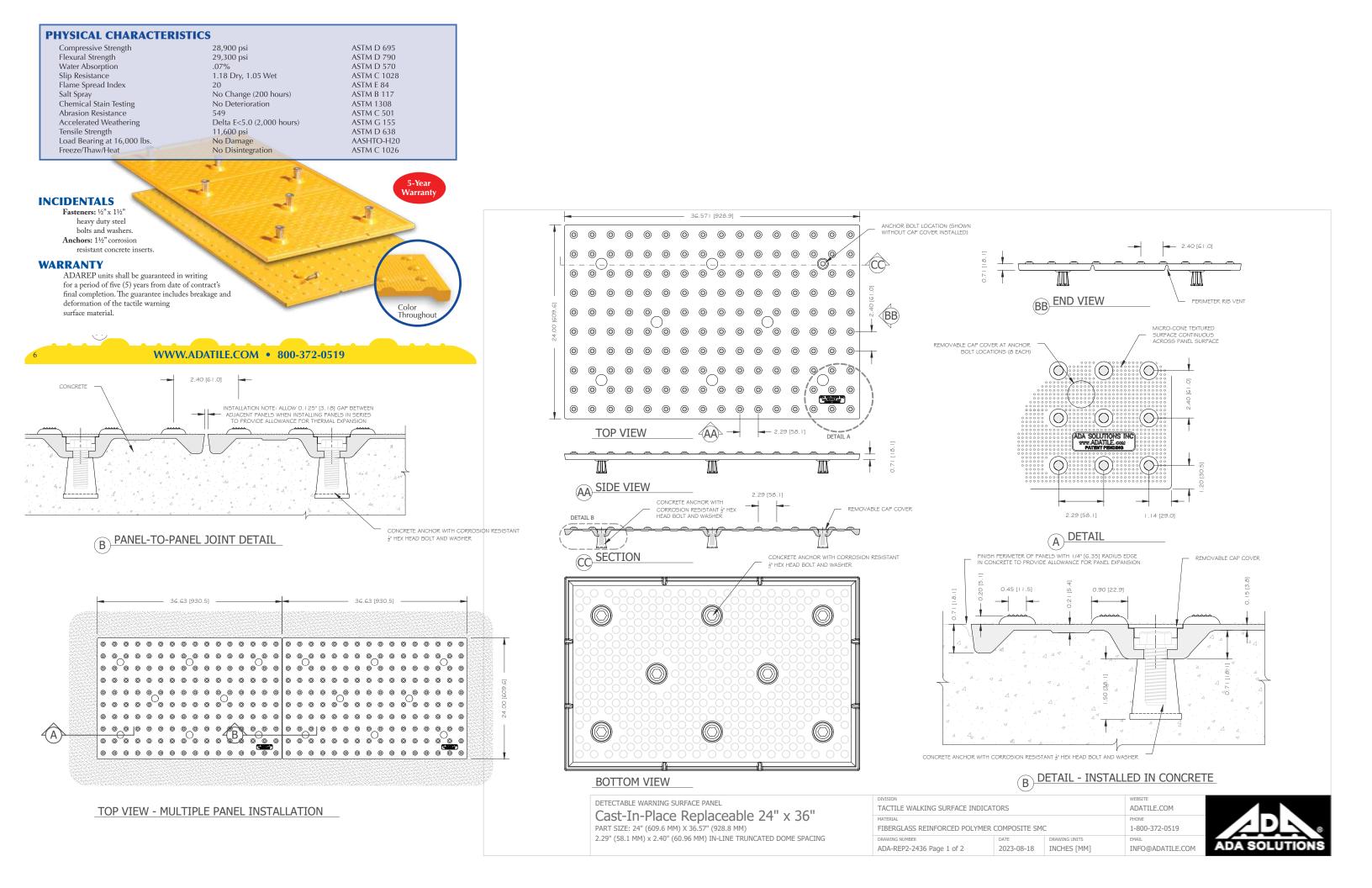
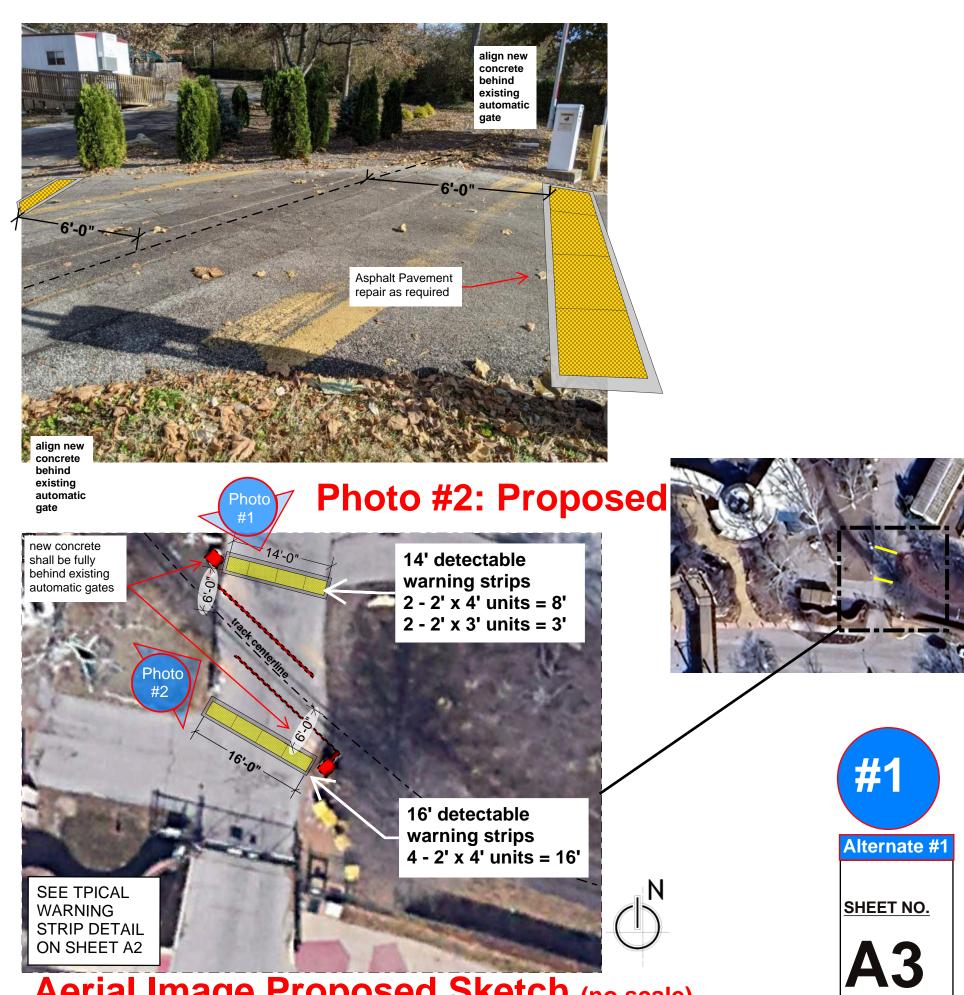






Photo #2: Existing



Aerial Image Proposed Sketch (no scale)









Photo #2: Existing

Aerial Image Proposed Sketch (no scale)





Photo #2: Existing

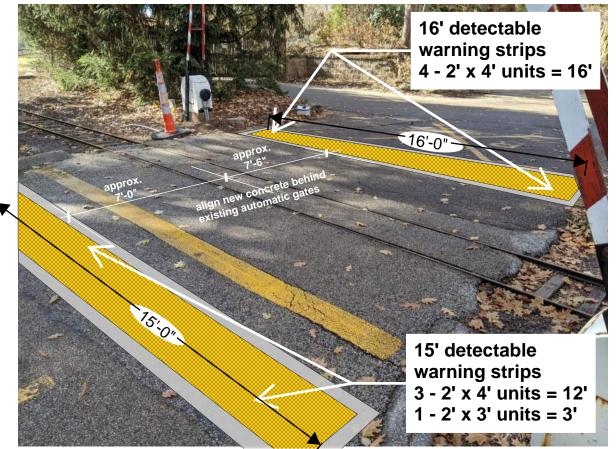
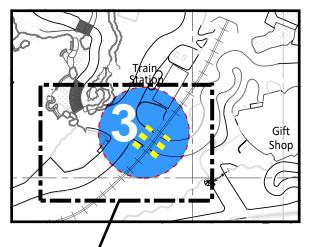


Photo #3: Proposed





South side: 23' detectable warning strips 1 - 2' x 3' units = 3' 5 - 2' x 4' units = 20'

Photo #1: Proposed



Photo #1: Existing

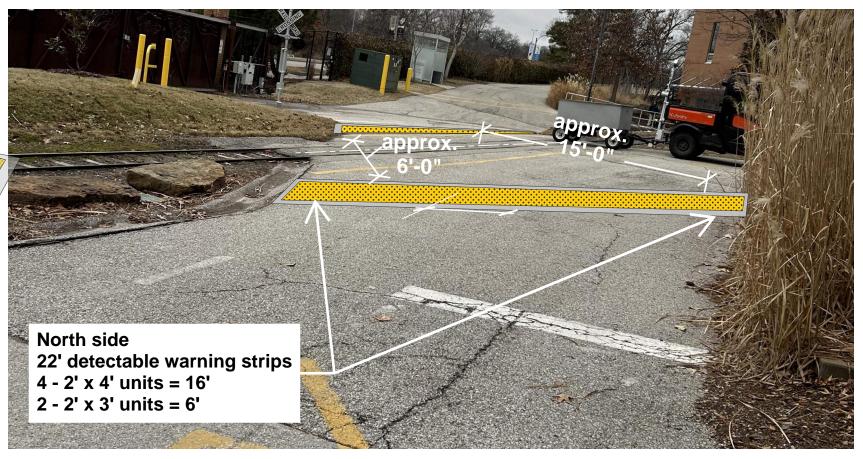
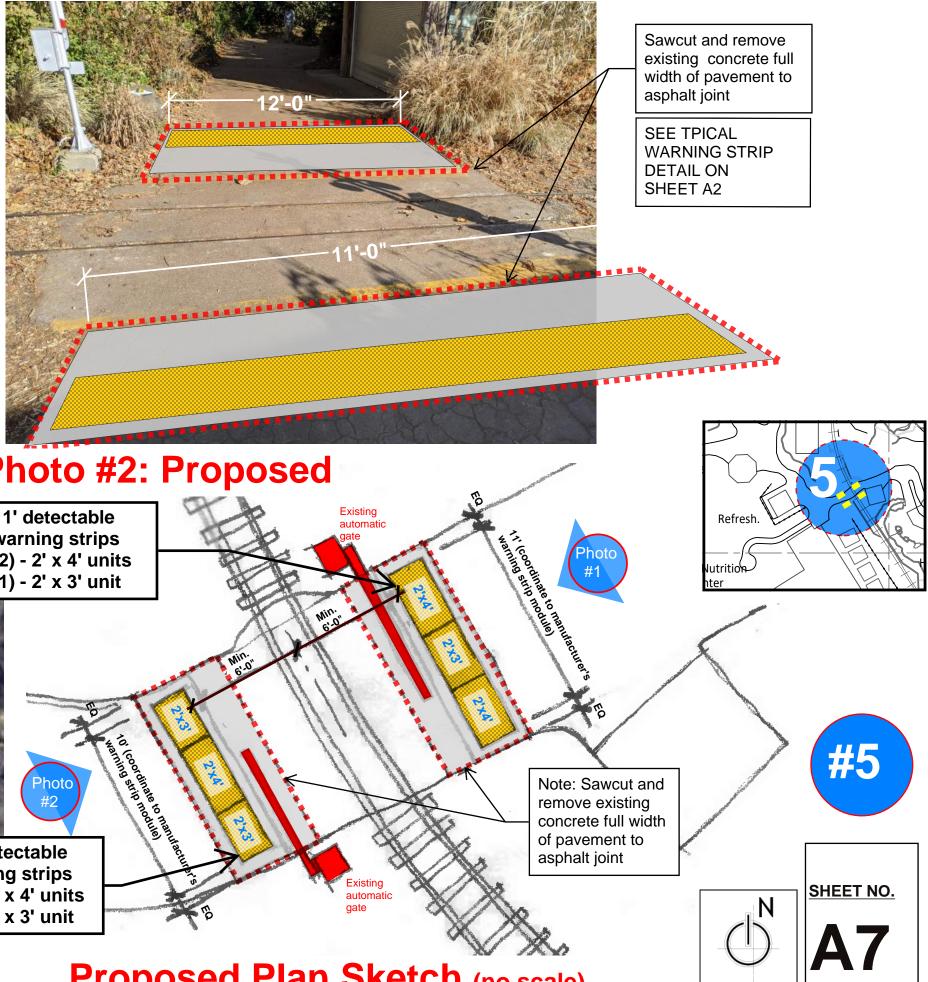


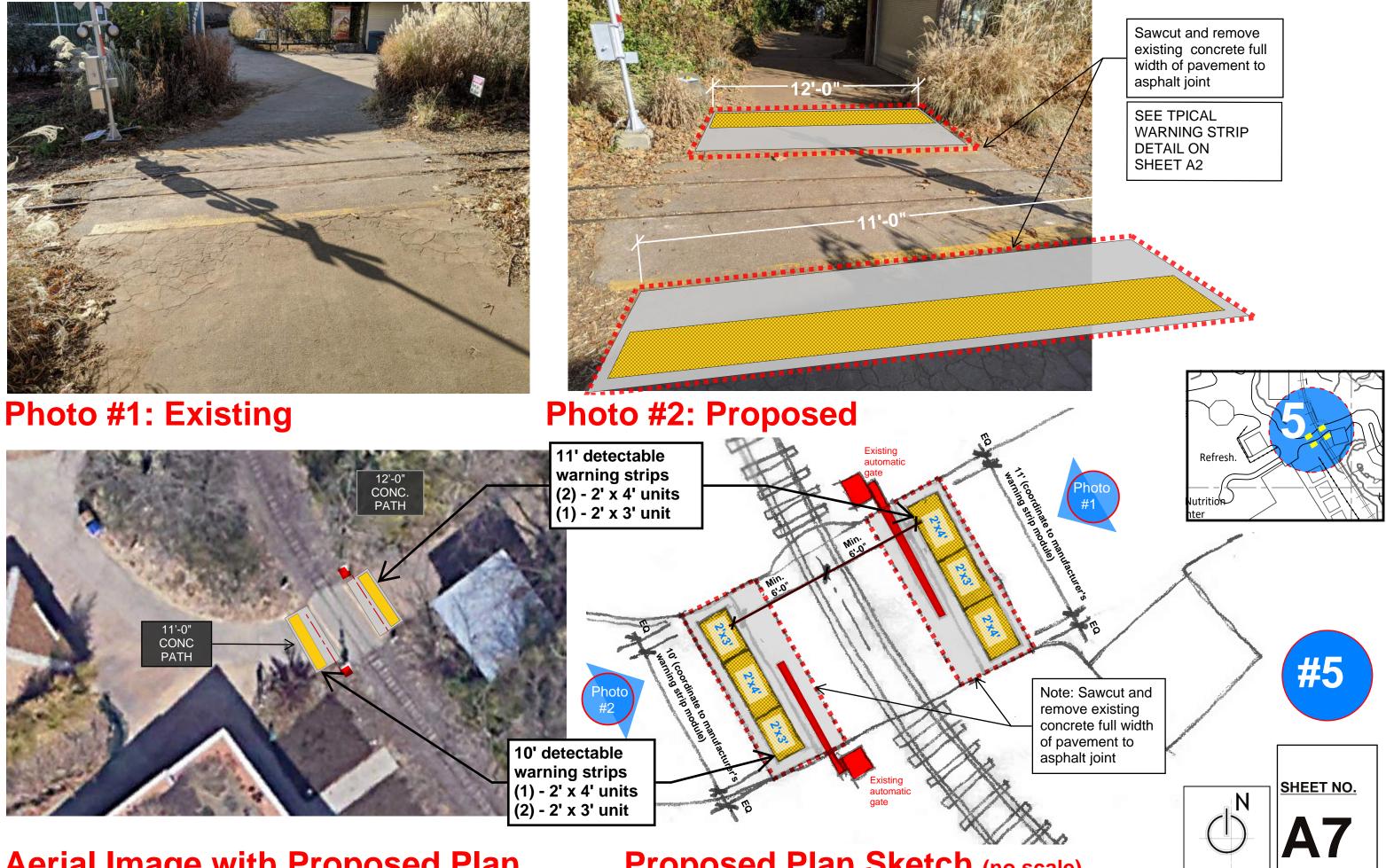
Photo #2: Proposed



Aerial image: Proposed Plan Sketch







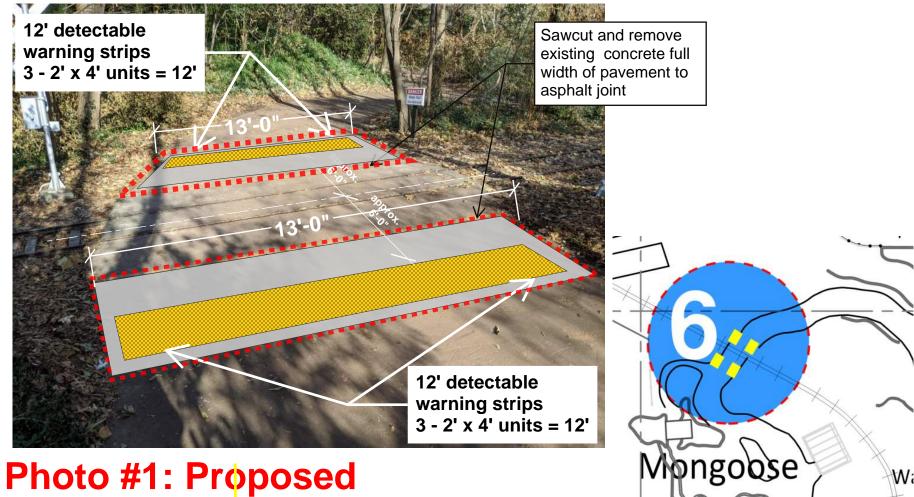
Aerial Image with Proposed Plan

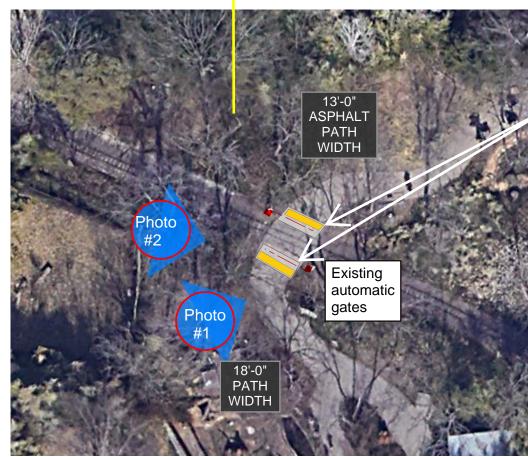
Proposed Plan Sketch (no scale)





Photo #2: Existing



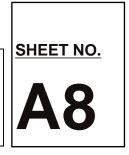


Aerial Photo: Proposed

Sawcut and remove existing concrete full width of pavement to asphalt joint

SEE TPICAL WARNING STRIP DETAIL ON SHEET A2





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Photo #2: Existing

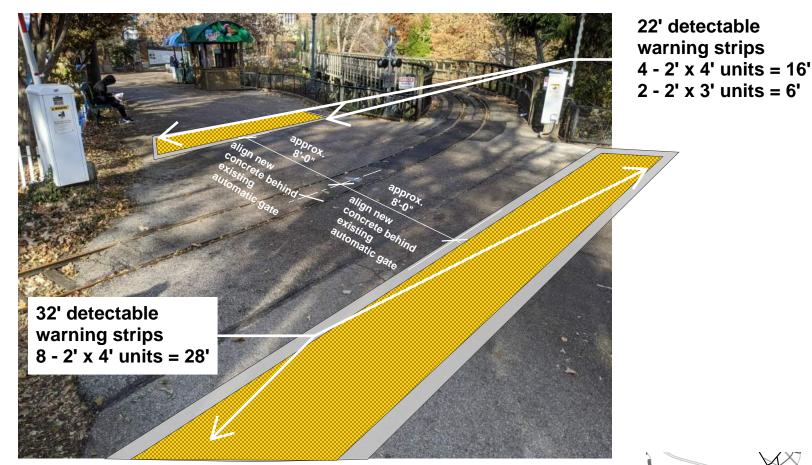
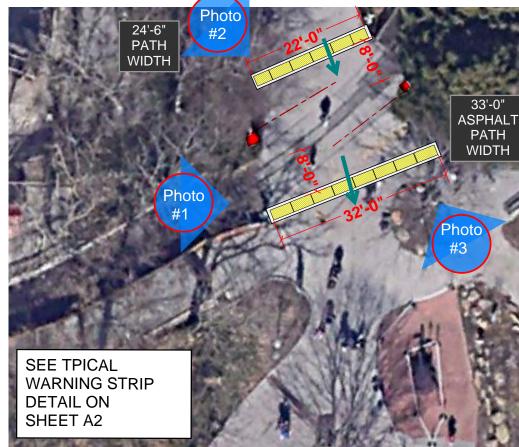
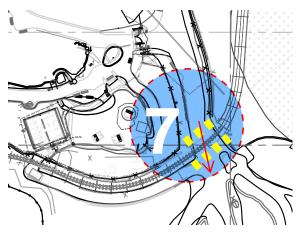


Photo #3: Proposed



Aerial image: Proposed Plan Sketch



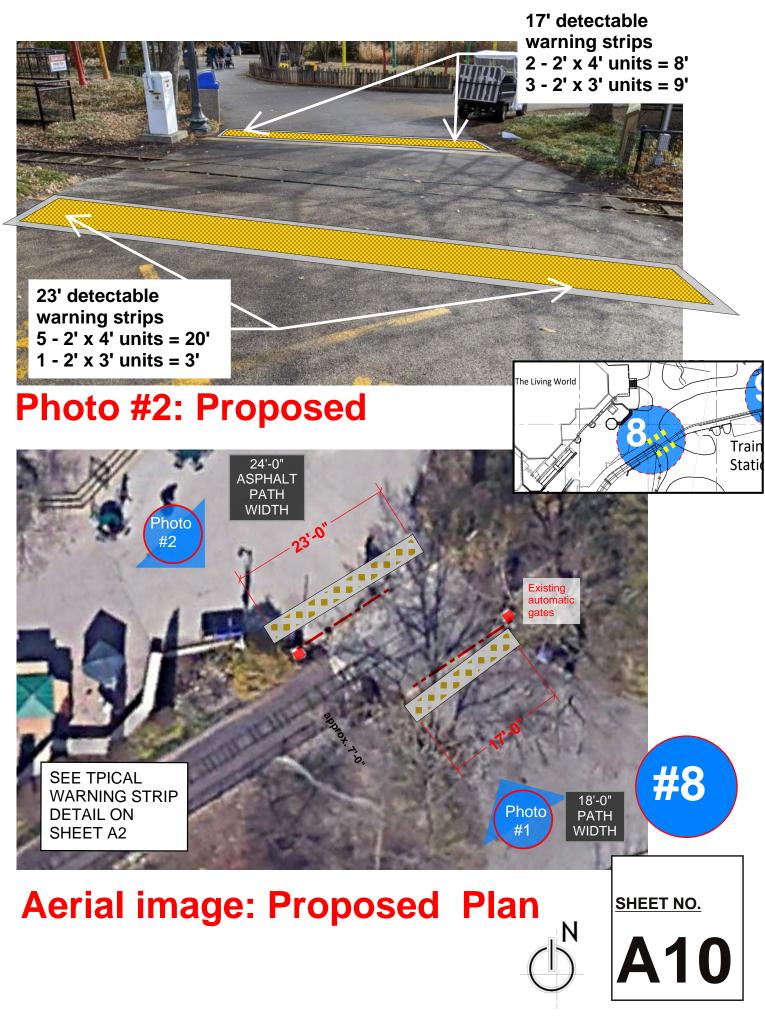


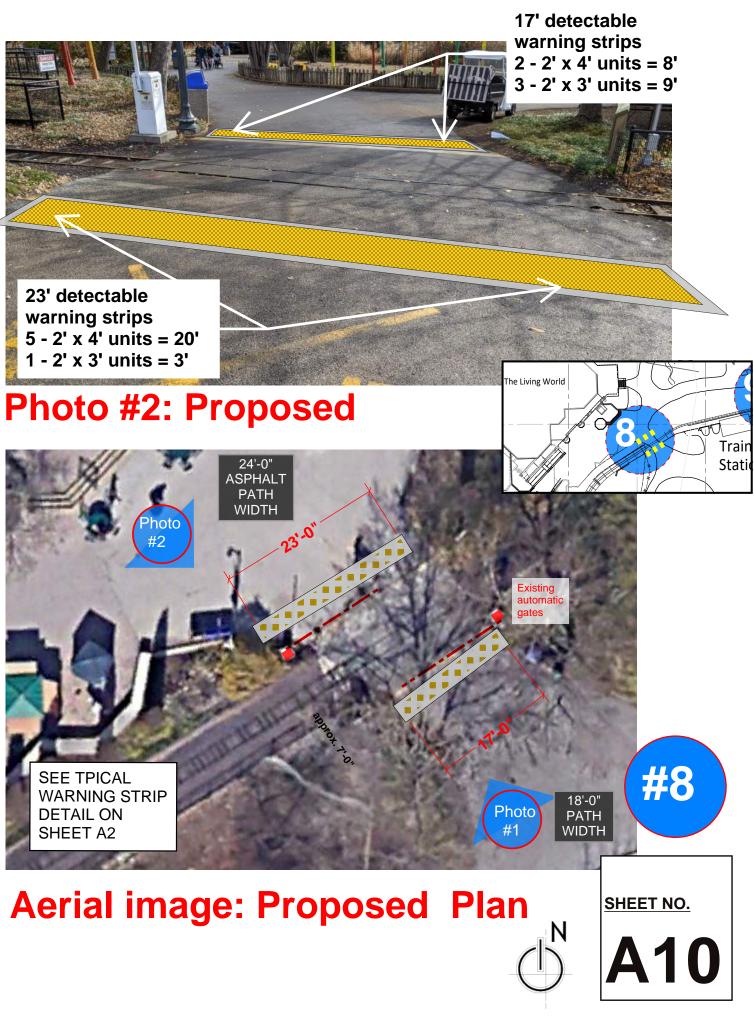
N A9





Photo #2: Existing





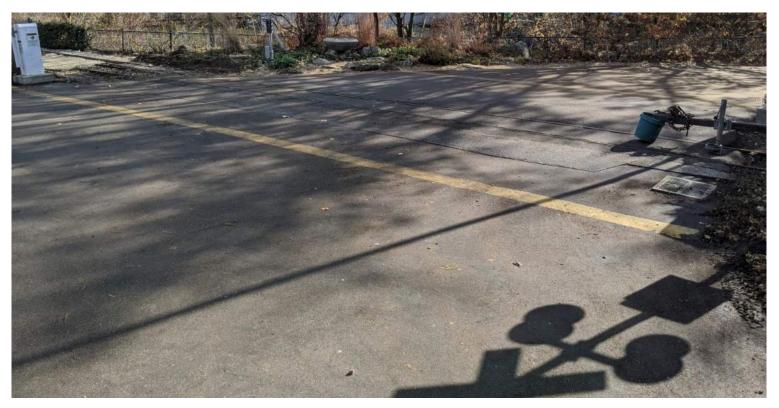




Photo #2: Existing



Photo #2: Proposed



Aerial image: Proposed Plan



21' detectable warning strips 3 - 2' x 4' units = 12' 3 - 2' x 3' units = 9'







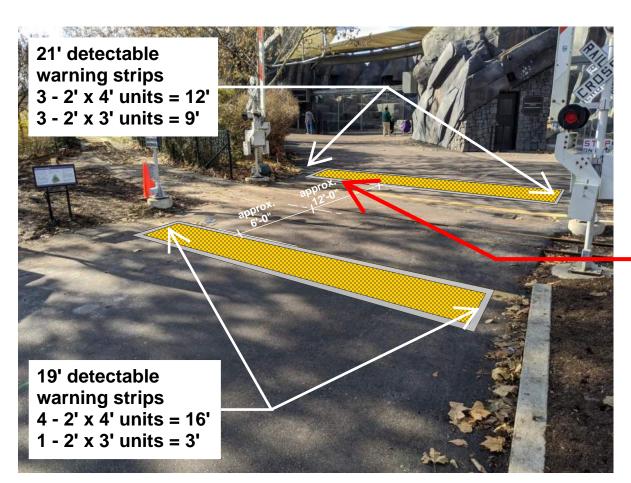


Photo #1: Proposed



Aerial image: Proposed Plan

Clear existing inlet when locating Detectable Warning Strip

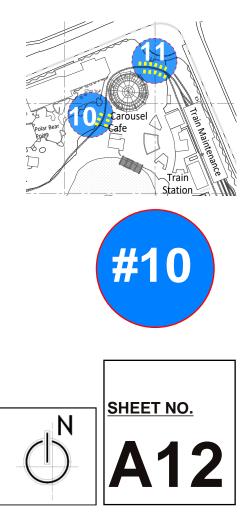






Photo #2: Existing

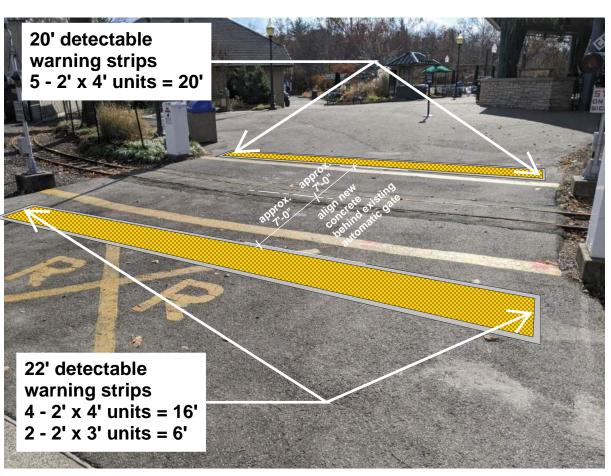
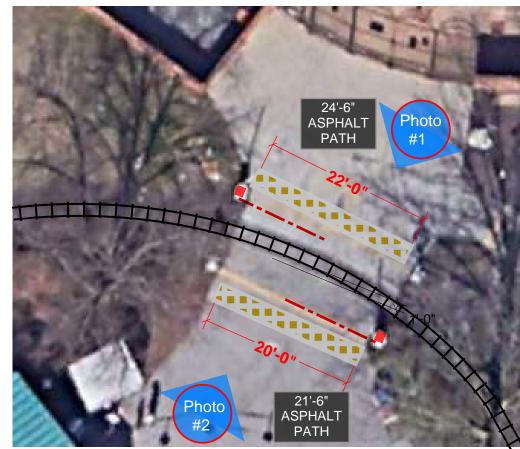


Photo #2: Proposed



Aerial image Proposed Plan







Photo #2: Existing

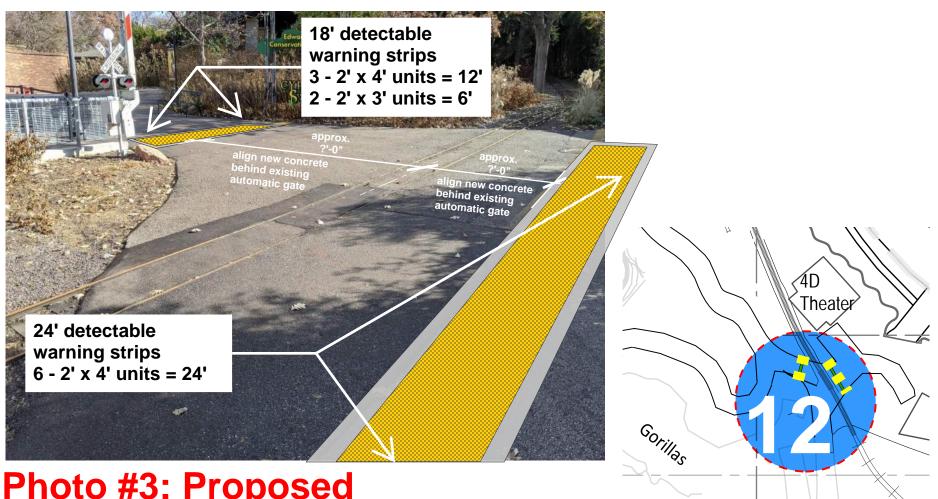
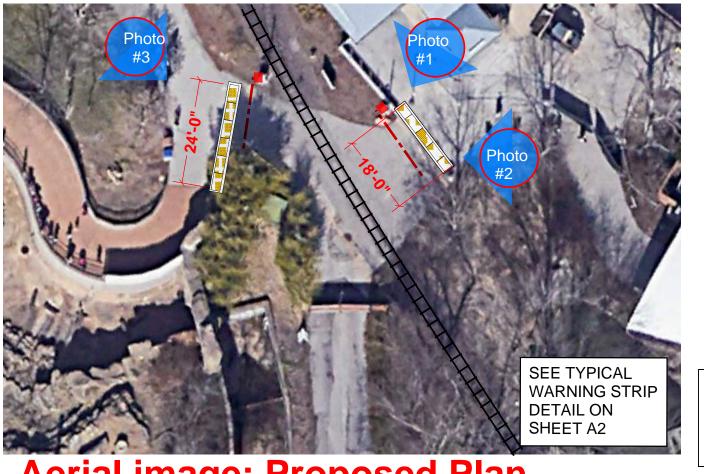


Photo #3: Proposed



Aerial image: Proposed Plan



