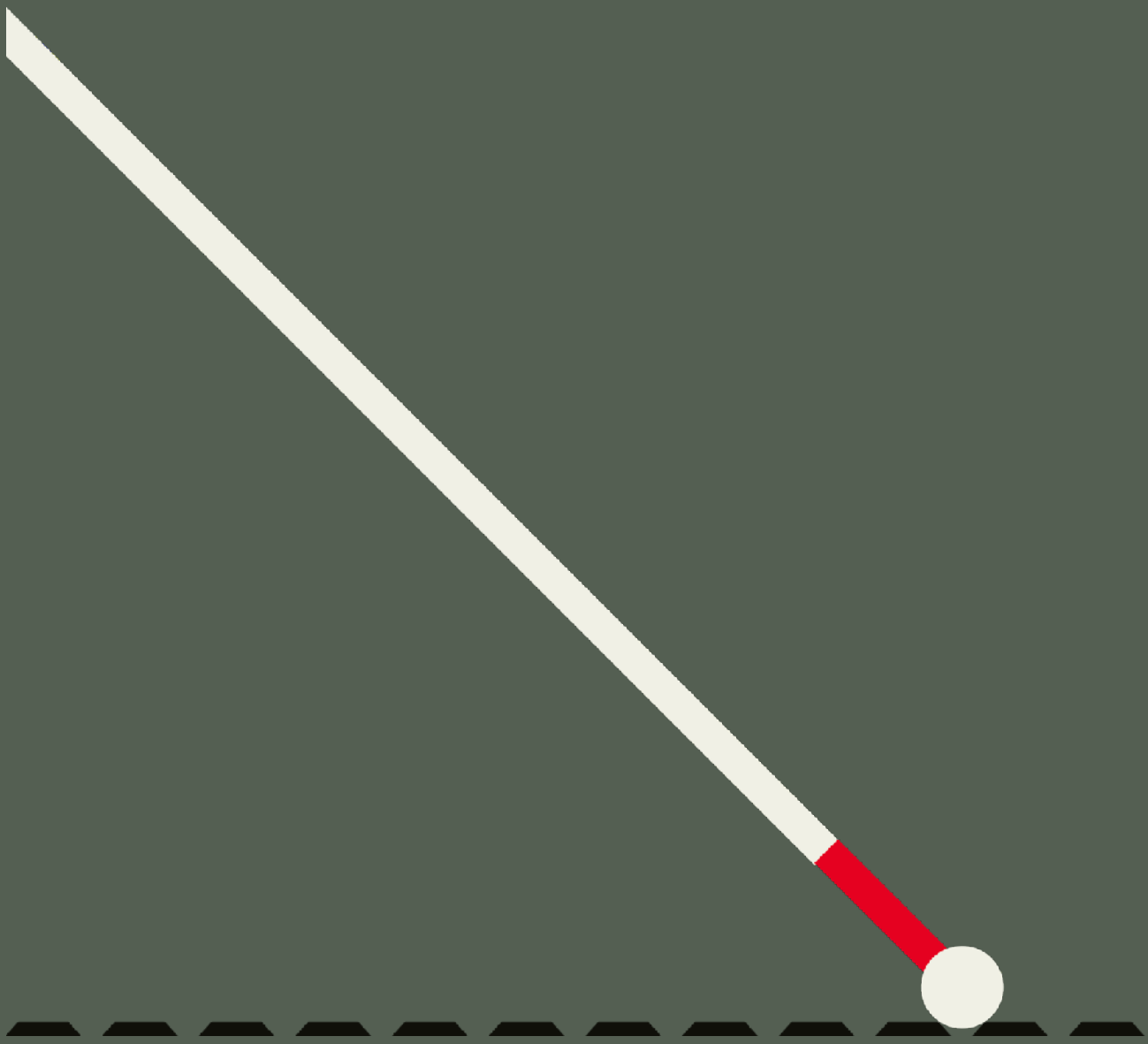
Mobility Access Design Library

Stæbl Academy
Learning & Design Guide Jan-Jun 2023



Stæbl,academy

A vision-impaired person uses a white cane in conjunction with an application of Discrete Warning and Directional TGSIs for their orientation across a vehicle carriageway.

Made for people who serve the built environment, Stæbl Academy is your personal resource to learn, design, and manage regulatory conformance with inclusive design and mobility standards.

Dean Homicki Founder and
Creator of Stæbl Academy

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Reliable. Referenced. Transparent.

What are the sources of knowledge and experience harnessed by Stæbl Academy?

Stæbl Academy's learning and design sessions are created in collaboration with subject matter experts (SMEs).

We provide real-life scenarios placing conformance information in context and application, forming a staebl foundation that you can build upon with your expertise.

Stæbl Academy is not a subsitute to authorised certifiers or a vehicle for you to go-it-alone. Certifiers and industry accredited consultants are charged by law to administer regulatory requirements and need to rely upon the information you provided.

Stæbl Academy's purpose is to support you to manage and deliver such information to certifiers and industry accredited consults, including the entire supply chain. Beginning with the design and specification through to maintenance and resource reclamation.

We are enablers joining these intersections, teaching why, how, what to do, and where and when it needs to be done.

Together, we combine the needs and means mixed with the technical requirements of referenced sources such as Standards, Regulatory Instruments, and user group experiences into practical outcomes*.

Your design team, government organisation, or public facility will have a unified experience of the who, what, why and how to facilitate inclusive spaces for all persons who use the built environment.

**Staebl.academy references organisations & legislative bodies for its learning and design materials.*

Stæbl Academy references its learning and design materials from organisations, legislative bodies and instruments for its learning and design materials. Some of these valuable sources may include:

The design phase of a project is the most critical in adding value, pupose and longevity to its life and usefulness. Ballarat Gov Hub under construction 2020.

Building on something stæbl.

Who's affected by your design ideas, product selections and policy choices?

Stæbl Academy has gone deep to gain comprehension about the who, why, what and how of disability access. We have then condensed this awareness making it available for you.

Why? Understanding how sections of our community are affected by the built environment is critical to creating utility for those who move through it.

In making in-depth but concise learning modules that inform and explain people's needs, we aim to demystify why providing persons with a permanent, partial, or temporary disability is both a legal requirement and a good idea for our communities.

"When you understand why we need disability access and unlock the utility that comes with universal design, its value to your community, its positive economic and social benefits of equity and participation, you begin future-proofing the function of a space and adding delight to all who use it."

Appreciating that you're busy managing multiple design considerations, we've designed Stæbl Academy courses in a micro-content format (less than 5 minutes on average), so you can digest one idea at a time and as you require.

Original animations, moving images, and documented examples of universal access elements are displayed and explained in visual, written and audio formats.

Stæbl Aacdemy is made for you to understand who you are designing, building and maintaining.

Dean Homicki for Stæbl.academy

Ways you can Learn

Stæbl Academy is founded on a learning environment based on experience and know-how. We practice an open-book policy for accessing information rather than memorisation and testing. Whilst we can provide reviews and assessments, we believe that if it's essential work, then it's worth looking it up and reviewing.

Stæbl Academy members have access to the entire learning and design library for twelve months and then for as long as required and for as long as you are enrolled. You and your organisation will experience learning that is adaptable to how people comprehend information and in the way and time they need to receive it.

Stæbl Academy has many multiple methods to inform, enable, and nurture your organisation with bespoke delivery systems to interface with Stæbl Academy's Mobility Access Design Library. These learning experiences are outlined herein.

Mobile & Desktop Learning - Stæbl Academy App -

Mobile learning can deliver courses and design sessions anytime, anywhere, and on any device connected to the internet. Stæbl Academy has designed its Mobility Access Design Library in microlearning, short how-to videos, written and audio transcripts with individual explainer slides.

The learning and design app is shaped for the on-the-go or field workforce's needs, where a fast, trusted, and reliable reference check is required. In some situations, the industry's nature (e.g., architecture and construction) involves work at locations where inductions or quick how-to learning is valuable to avoid delays and external consultant cost overruns. The Mobility Access Design library is formatted for daily use and all levels of experience.

Workshops - in-house and interactive -

Stæbl Academy provides to your organisation workshop training where specific subjects or detailed information critical to your team members is required in an instructor-led learning environment. In addition to the Mobility Access Design Library App, those enrolled in a physical workshop have the added benefit of interactivity, as they can ask questions and receive instant responses. Where and when appropriate, workshops are a valuable option for when team member interactivity is essential to the organisation's learning experience.

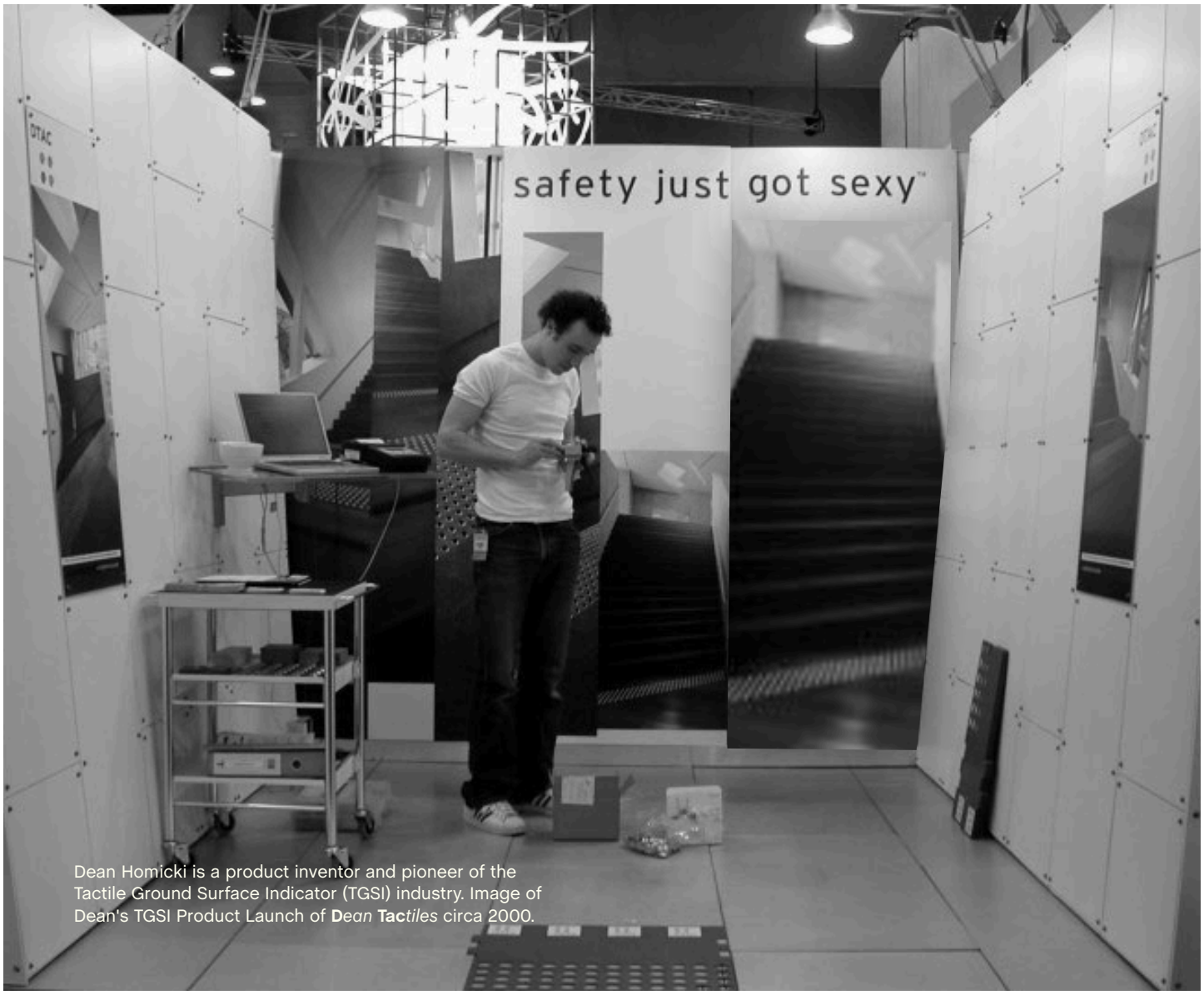
Webinars - Virtual Classrooms -

Stæbl Academy provides your organisation with bespoke webinars to deliver our mobility training in the form of text, video and documents in real-time. We can provide a virtual learning experience from any location, and your team members can attend a learning or design session from wherever they're located. This learning method will save your organisation valuable time and money on logistics and venues. Persons who are enrolled in a Stæbl Academy webinar will require a mobile or desktop device connected to the internet.

Blended Experience - Bespoke Learning -

Stæbl Academy can design and deliver a single or a series of learning paths tailored to your team, department, or industry's individual needs to your specific requirements. By focusing on the knowledge that you require and orchestrating the information in the way you need it, a tailored blend of all learning methods can be created.

Series Creator



Dean Homicki is a product inventor and pioneer of the Tactile Ground Surface Indicator (TGSI) industry. Image of Dean's TGSI Product Launch of **D***ean* **Tac***tiles* circa 2000.

Dean Homicki
Founder and Creator of Stæbl Academy welcomes you the Australian Mobility Access Design Library.

A professional contributor to Stæbl Academy, Dean shares his 25 year career in manufacturing and construction utilising local and international hands-on product design, installation and consulting experience with mobility products.

Design & Business Career
Founding the game-changing architectural products company DTAC Pty Ltd (D*ean* Tac*tiles*) in the late 1990s, Dean conceived and built an entire industry of disability and mobility products from a humble beginning in his childhood shed in Upwey, Victoria, Australia.

Over the next decades, Dean continued to innovate many integrated business and training systems, developing a world-first cradle-to-cradle recycling programme of his products to making them sustainable in practice.

Before Dean's achievements within the architectural construction industry, he created jewellery and fashion ranges for major department store and independent retail chains, homewares and domestic living products.

Dean's other design, manufacturing and marketing businesses have engineered mechanical systems including modular sound partitioning, signage, furniture and lighting for the healthcare and hospitality industries. He has spent over a decade working internationally with specific experience in the manufacturing and distribution of construction goods from Asia and Europe.

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Why do we have TGSIs and what is their purpose? Understanding who TGSIs are designed to assist enables us to use them correctly and reduce unnecessary applications in the built environment.

TGSI Foundation Series Part One - The why, what and who of Tactile Ground Surface Indicators (TGSIs)

CPD Points are available for members of these institutions.If all modules are completed - **1 Formal CPD Point** wil be recorded.

Description
Course creator and presenter Dean Homicki will walk you through an Introductory course on Tactile Ground Surface Indicators (TGSIs) - The why what and who of TGSIs. Dean freely shares his hands-on insight about TGSIs, drawing from his collective professional experiences specifically in Australia and from around the world.

This module will give you a broad perspective on TGSIs and give you an understanding of 'Who is affected and how they are affected?' With more than 25+ years of product design, manufacturing, installation and consulting for Dean to stand upon, this foundation course will supply deep insight into Australian TGSIs in the architectural and construction industry.

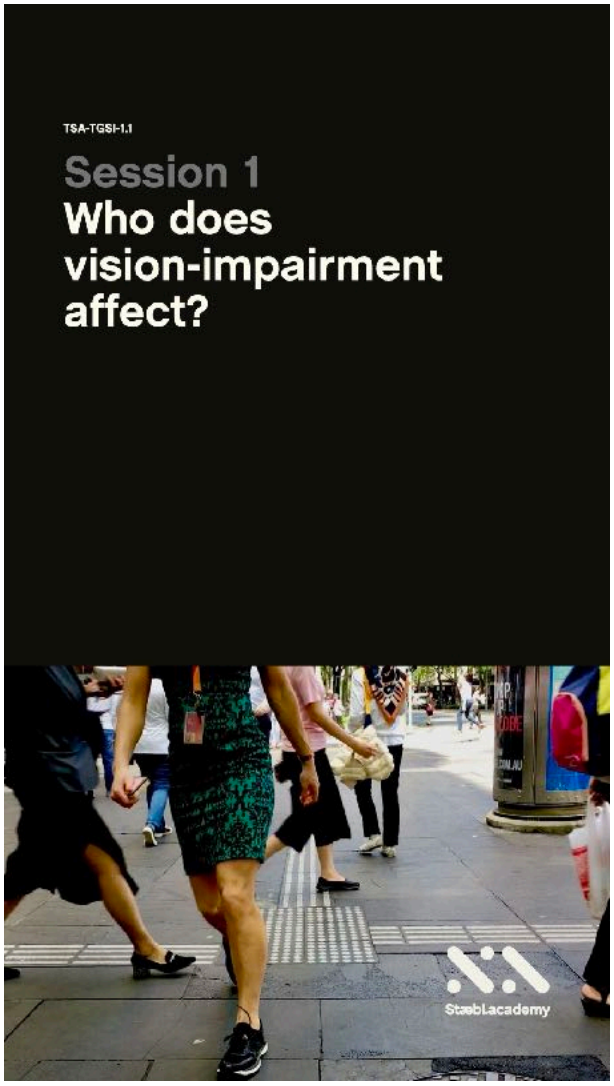
Number of Modules
12 Course Modules in total.

Course Length
43:41 mins total learning time if all of the learning modules run in succession. (Plus 15-20 min of open book review & assessment.) - (60-70 minutes total.)

Transcription
Yes. There is a written transcription supplied with each course module.

Audio Transcription
Yes. There is an audio transcription supplied with each course module.

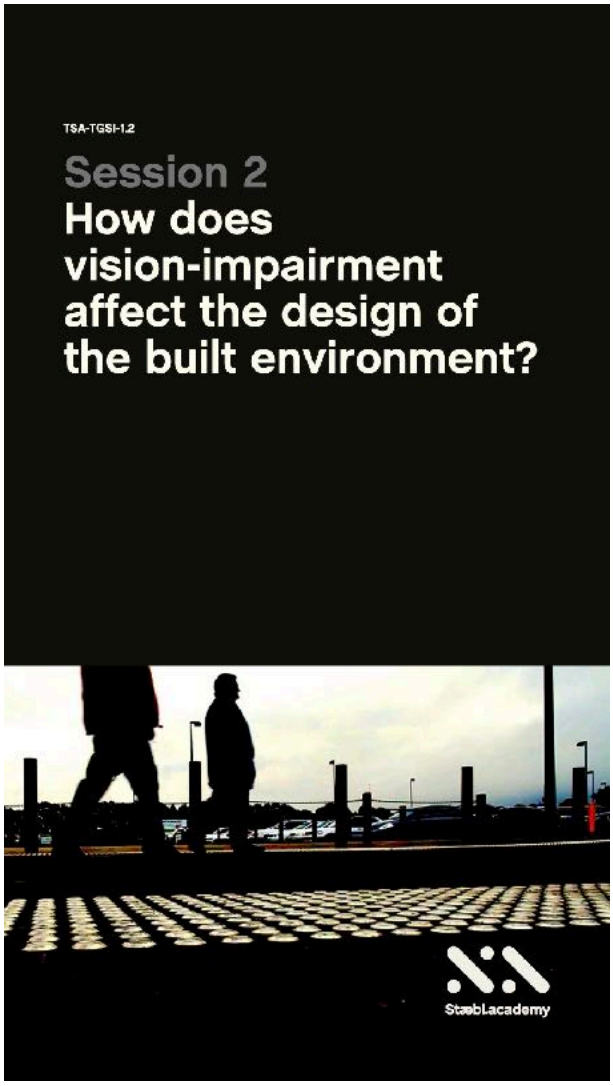
Closed Captions
Yes. There are closed-captions. These can be turned on or off in the video viewer by hovering over the right-hand side corner of the video viewer screen.



Course: **TSA-TGSI-1.1**
Length: **3:46 mins**
Instructor: **Dean Homicki**

This module reviews who is affected by vision-impairment and how they are affected. The learning session draws upon the 2019 report published by the Australian Institute of Health and Welfare, into Vision Impairment within Australia.

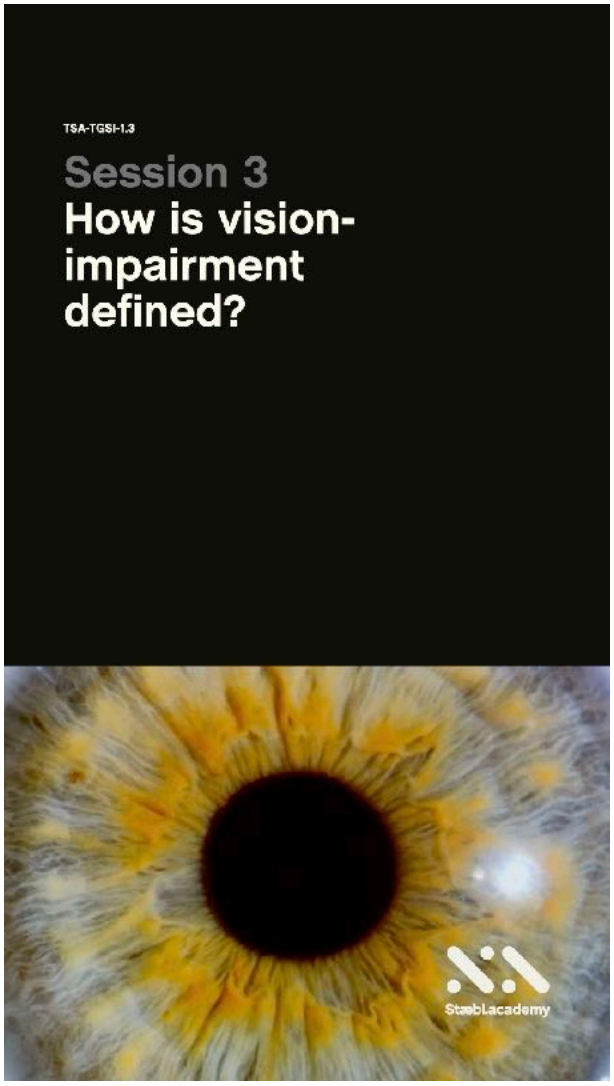
Sample learning session



Course: **TSA-TGSI-1.2**
Length: **5:09 mins**
Instructor: **Dean Homicki**

Australian Law makes it a mandatory requirement to not discriminate against a person because of disability when providing facilities or access to public premises. This module details the regulations and standards that direct and guide us on how to use and maintain TGSIs in Australian Law.

Sample learning session



Course: **TSA-TGSI-1.3**
Length: **2:57 mins**
Instructor: **Dean Homicki**

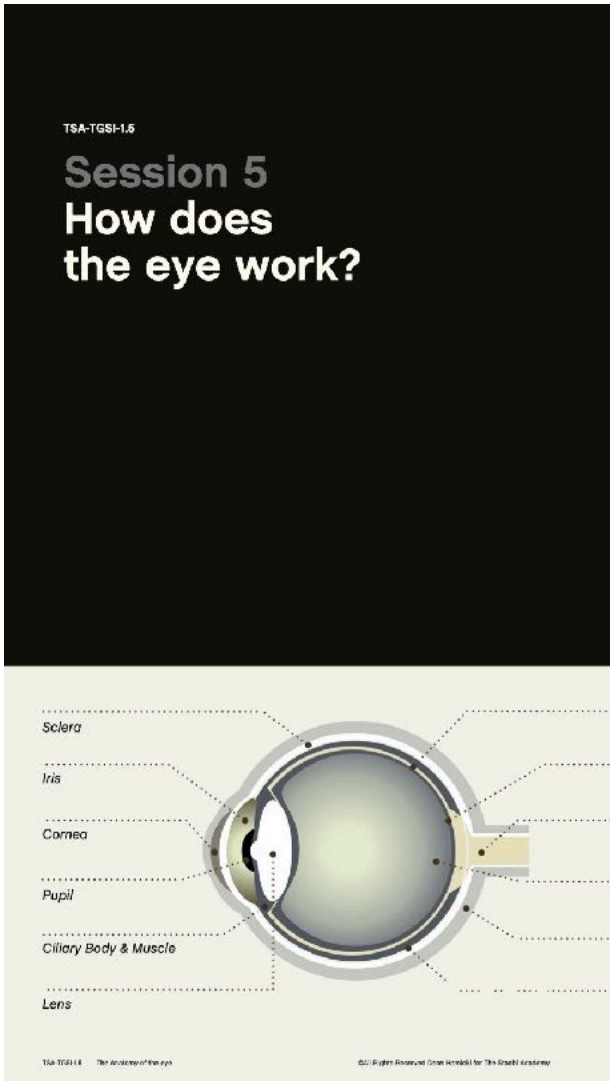
Becoming aware of the depth, breadth and complexity of vision-impairment enables us to begin to understand, how as designers and custodians of mobility products like TGSIs, just how important they are for persons who rely upon them for wayfinding. This module reviews how a person with a vision-impairment is affected, the metrics and the terminology in Australia.

Sample learning session

Course: **TSA-TGSI-1.4**
Length: **2:22 mins**
Instructor: **Dean Homicki**

There are many different types of vision-impairment. These can range from mild-vision loss to total blindness. This learning session reviews the most common forms in Australia giving us a general overview of what a person with a vision-impairment may experience.

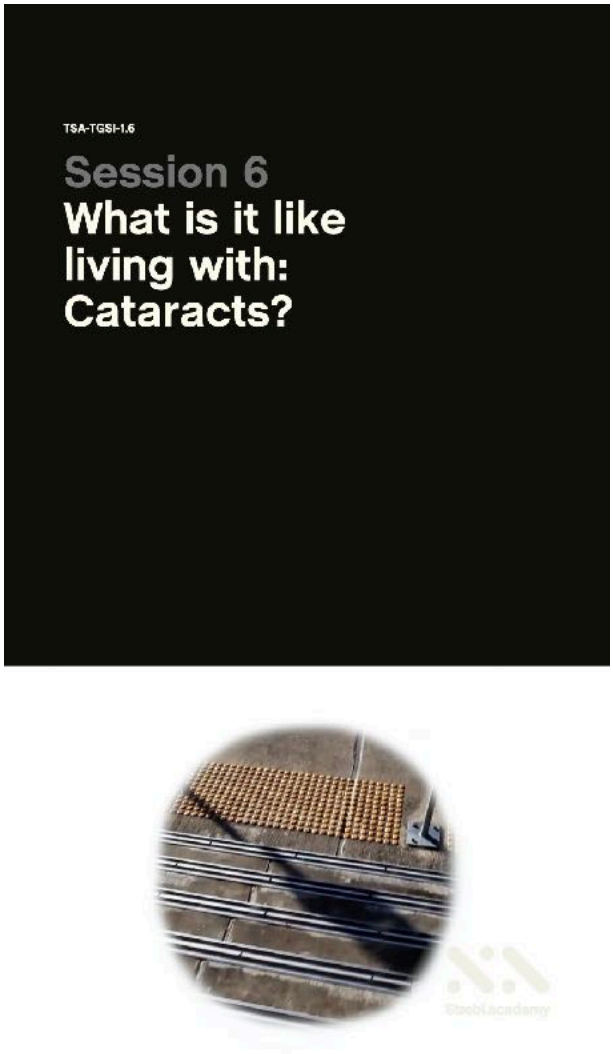
Sample learning session



Course: **TSA-TGSI-1.5**
Length: **4:17 mins**
Instructor: **Dean Homicki**

The eye and our visual system work hard every second we are awake. So, what is it like when our eyes and our visual system don't work? What parts of our visual system can be affected and how are they affected? This learning session takes us pictorially inside the anatomy of the eye.

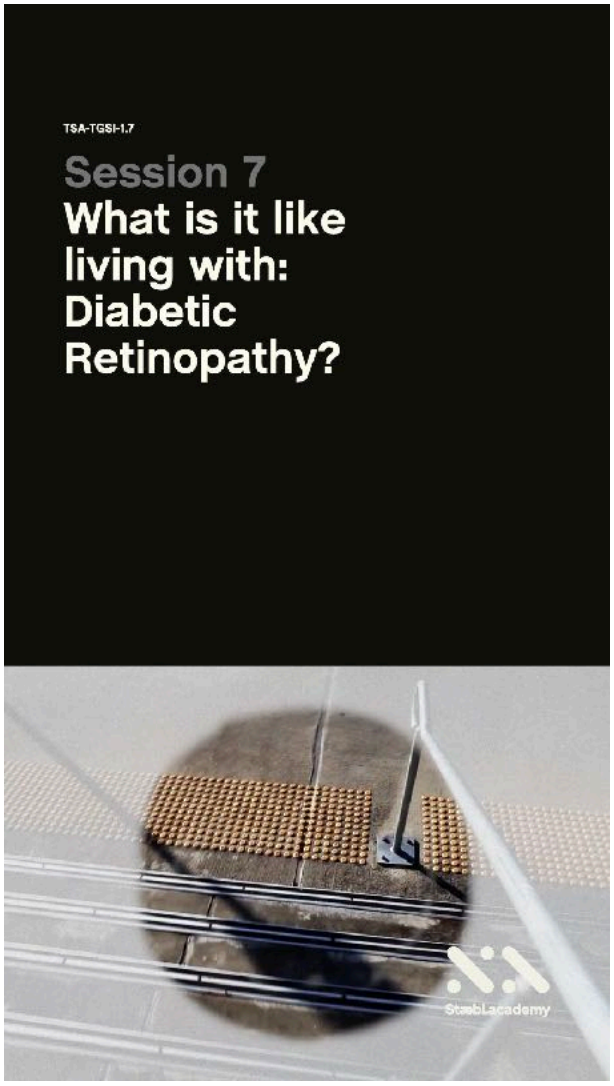
Sample learning session



Course: **TSA-TGSI-1.6**
Length: **2:20 mins**
Instructor: **Dean Homicki**

You can be forgiven for thinking, ‘until it’s my problem it’s someone else's right? But, as people who have influence over the built environment, we are entrusted to create spaces that can function for all persons? In this module, we explore what a vision-impaired person may experience living with Cataracts and how the built environment may appear to them in their daily life.

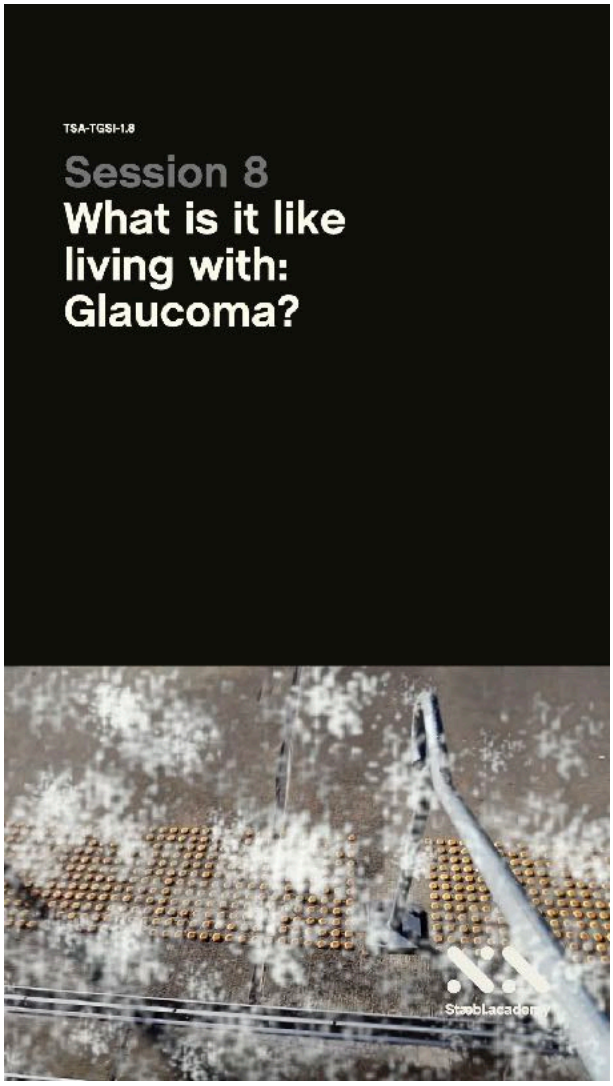
Sample learning session



Course: **TSA-TGSI-1.7**
Length: **2:38 mins**
Instructor: **Dean Homicki**

This learning session explores what a vision-impaired person may experience living with Diabetic Retinopathy and how the built environment may appear to them in their daily life.

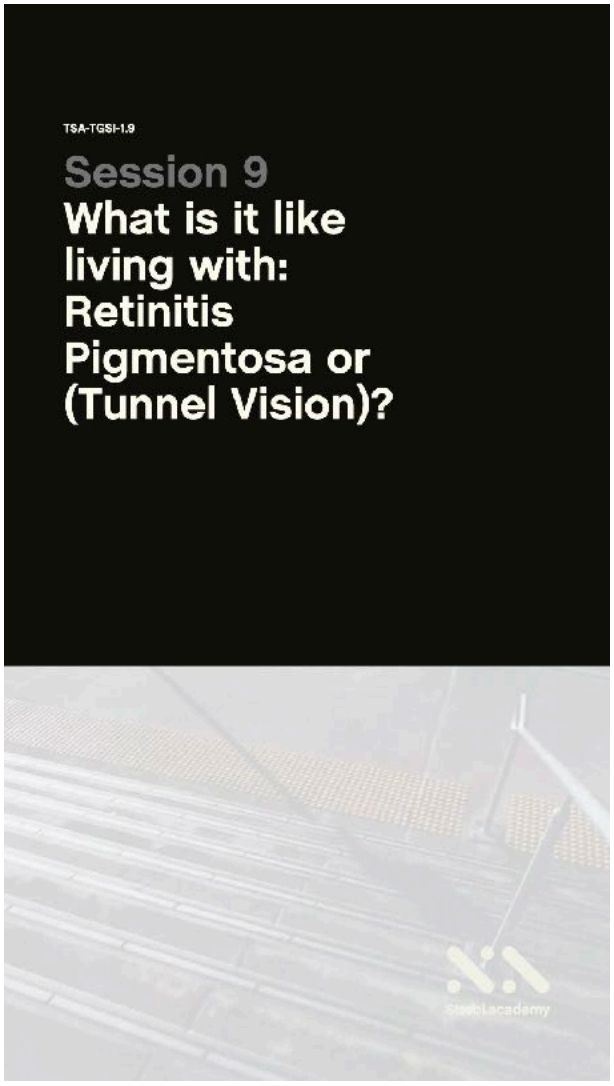
Sample learning session



Course: **TSA-TGSI-1.8**
Length: **2:31 mins**
Instructor: **Dean Homicki**

This learning session explores what a vision-impaired person may experience living with Glaucoma and how the built environment may appear to them in their daily life.

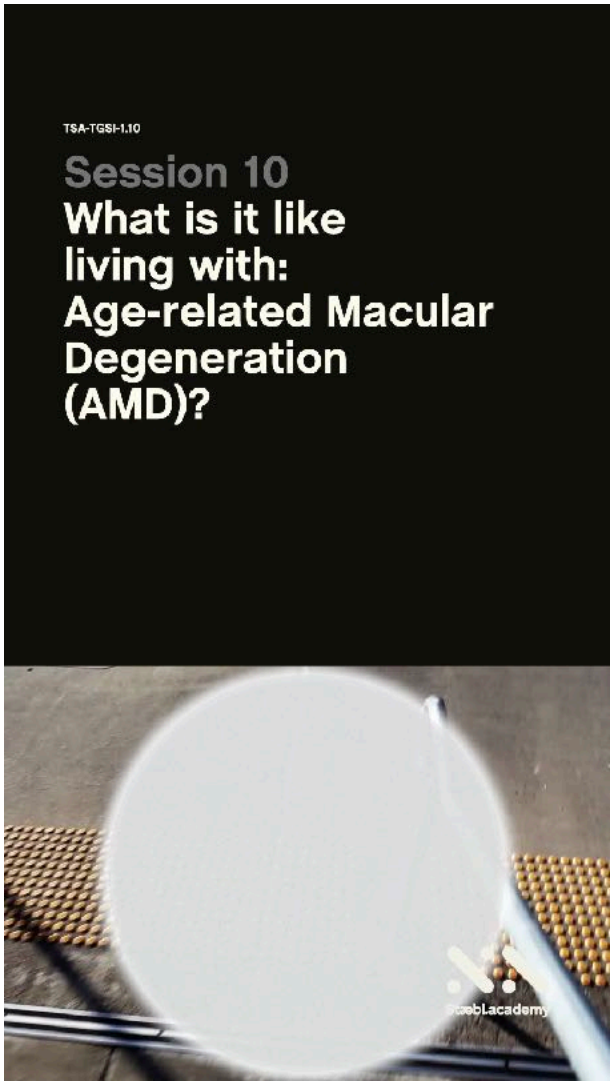
Sample learning session



Course: **TSA-TGSI-1.9**
Length: **2:53 mins**
Instructor: **Dean Homicki**

This learning session explores what a vision-impaired person may experience living with Retinitis Pigmentosa or (Tunnel Vision) and how the built environment may appear to them in their daily life.

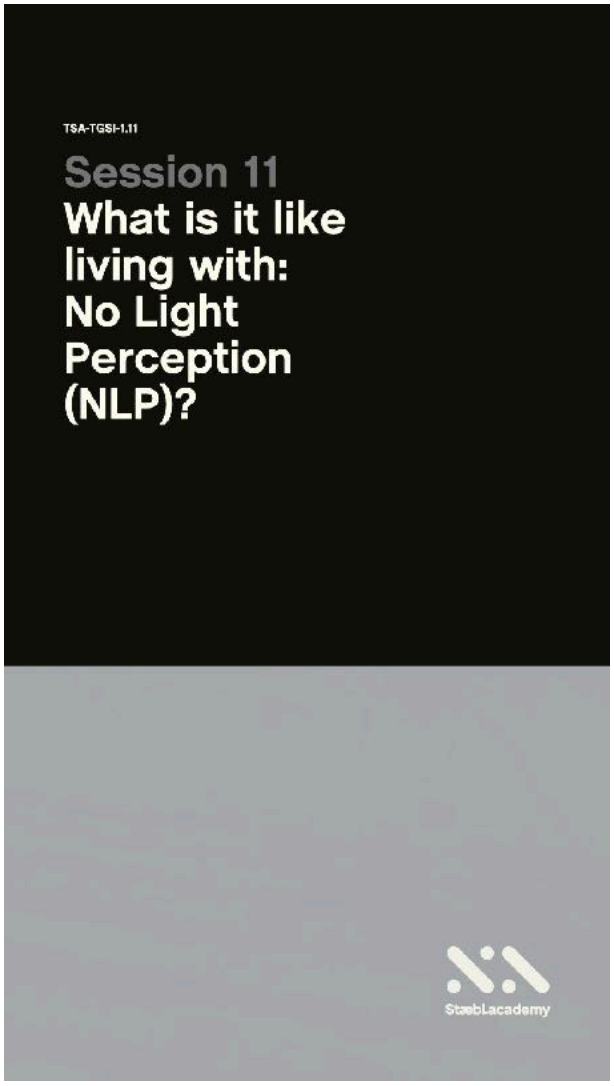
Sample learning session



Course: **TSA-TGSI-1.10**
Length: **3:02 mins**
Instructor: **Dean Homicki**

This learning session explores what a vision-impaired person may experience living with (AMD) Age-related Macular Degeneration and how the built environment may appear to them in their daily life.

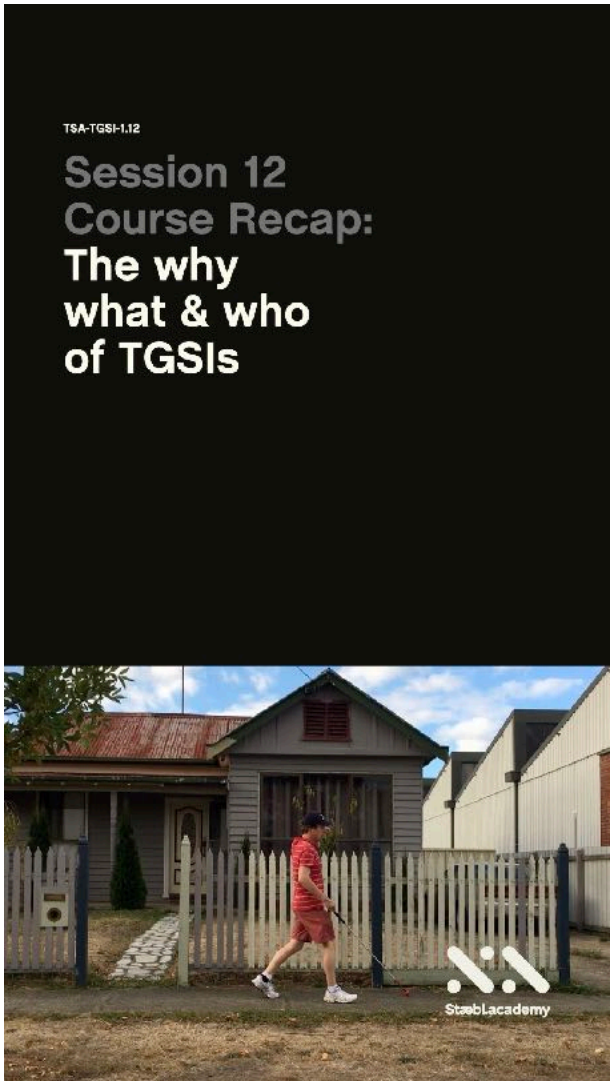
Sample learning session



Course: **TSA-TGSI-1.11**
Length: **2:45 mins**
Instructor: **Dean Homicki**

This learning session explores what a vision-impaired person may experience living with No Light Perception (NLP), or what is termed as (Total Blindness), and how the built environment may appear to them in their daily life.

Sample learning session



Course: **TSA-TGSI-1.12**
Length: **8:45 mins**
Instructor: **Dean Homicki**

We have covered a lot of general and specific information through this course, 'The why, what and who of TGSIs'. Now we take a quick review and brief recap on the critical aspects of what we covered during our learning sessions together.

Sample learning session

Where are TGSIs required and when are they required to be installed there? What types of TGSI do you need to achieve comformance with Austalian Standards and with which product?

Design Sessions - TGSIs

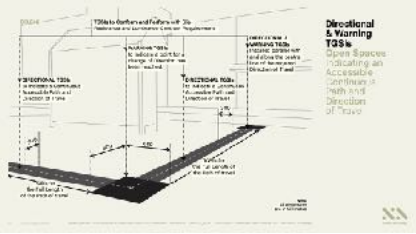
CPD Points are available for members of these institutions. If all modules are completed - 1 to 2 Formal CPDs Point wil be recorded. 70 mins total learning time if all of the learning modules run in succession. (Plus 50 min of Open book assessment and review) - (120 minutes)

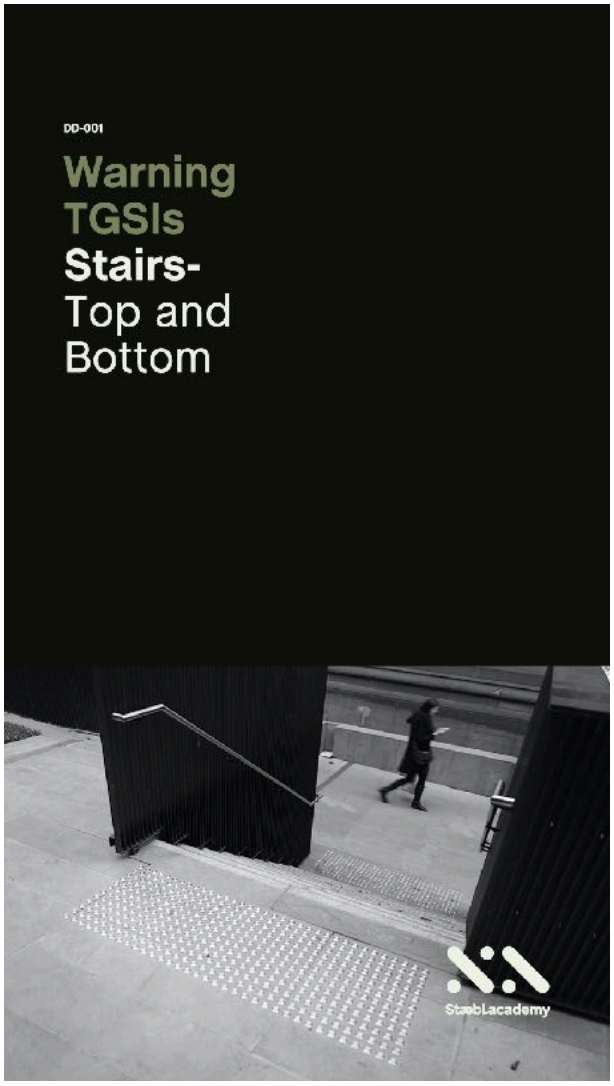
Where are TGSIs required, what type is suitable and which arrangement is applicable?

If you have ever asked any of these questions, or others have asked them of you, wouldn't it be helpful to have a design resource that supplies concise information and fast?

The TGSIs industry is unregulated. It does not have an industry body or a code of conduct, is absent of industry standards of practice and any method to train and hold accountable those who import, supply or install them. The result is that you have most likely witnessed TGSIs incorrectly used. Or perhaps TGSIs inconsistently installed, overused and in desperate need of cleaning, repair or replacement.

Stæbl Academy provides access to learning and design resources to manage your legal responsibilities and give you the confidence to act.

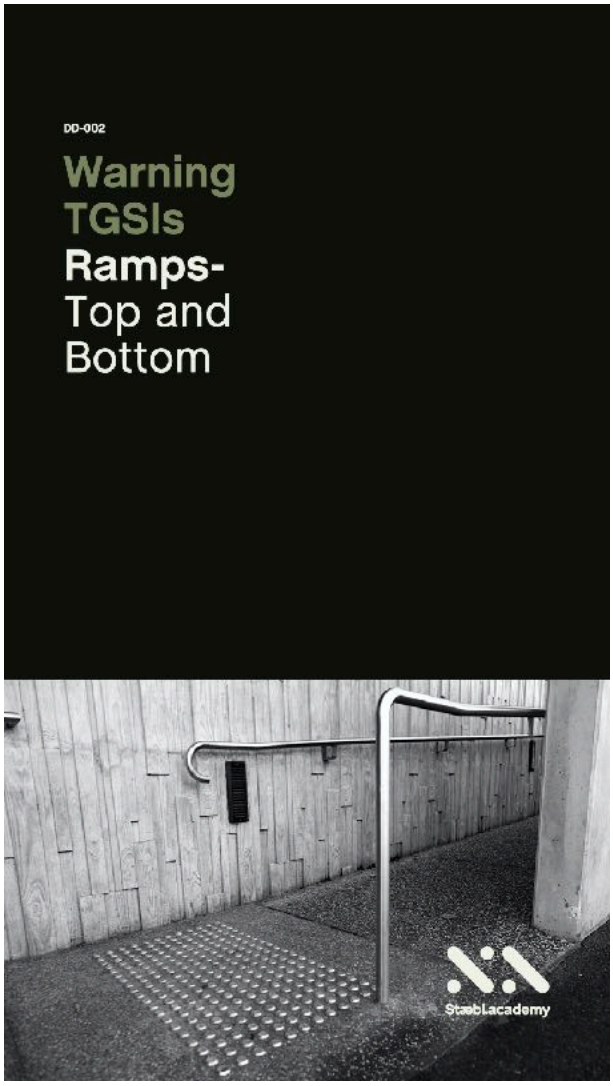




Course: **DD-001**
Length: **4:02 mins**
Instructor: **Dean Homicki**

In this learning session, we review an example of where people can approach a set of stairs from various angles. For the orientation of persons who are blind or vision impaired, applying this knowledge enables us to determine how to use TGSIs and conform to the Normative and Informative Guidelines of the Australian TGSI standards.

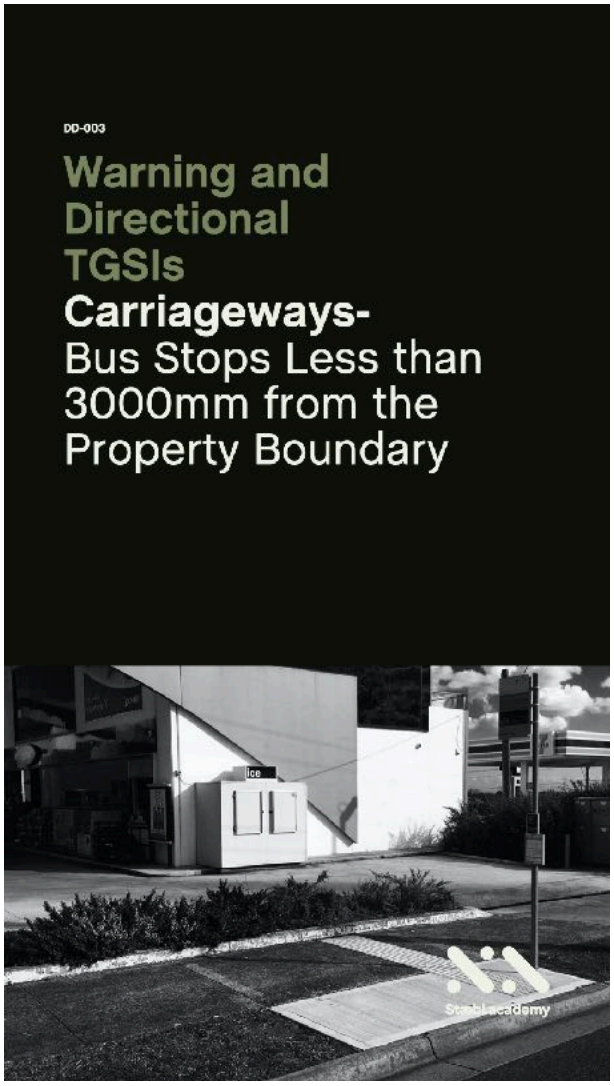
Sample design session



Course: **DD-002**
Length: **3:50 mins**
Instructor: **Dean Homicki**

This Staebl.academy learning session will cover the use of Warning TGSIs on Ramps at the Top and Bottom.

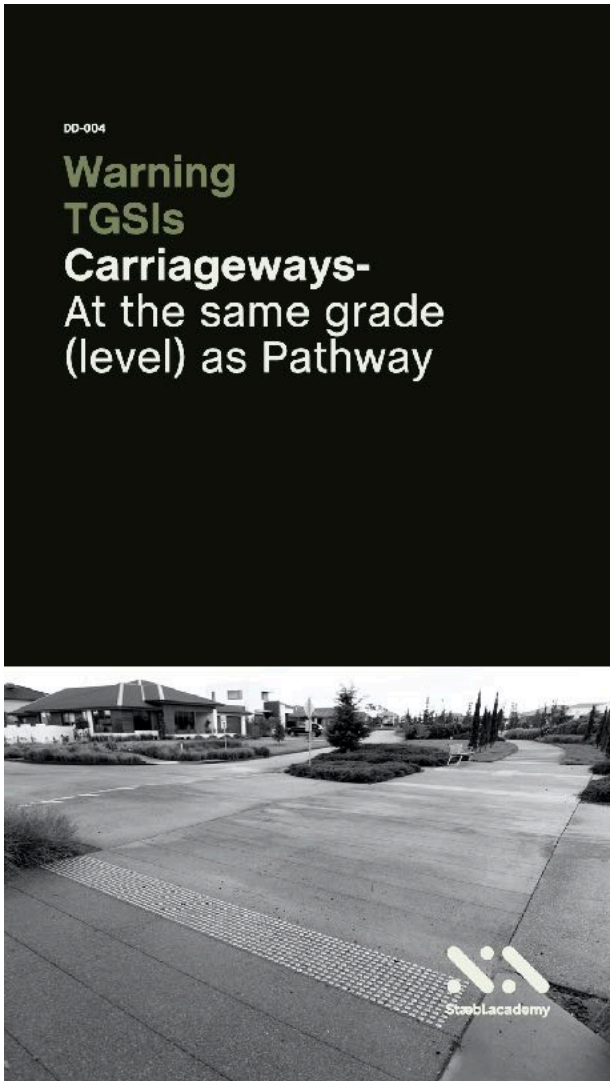
Sample design session



Course: **DD-003**
Length: **5:35 mins**
Instructor: **Dean Homicki**

This Staebl.academy learning session, reviews how people approach this Bus Stop from a Continuous Path of Travel. The goal of TGSIs in this situation is to orientate and safely direct blind or vision-impaired persons from point 'A' to point 'B'. In other words, to assist a Blind or Vision-impaired person to get from the Path of Travel to the Bus Stop signpost.

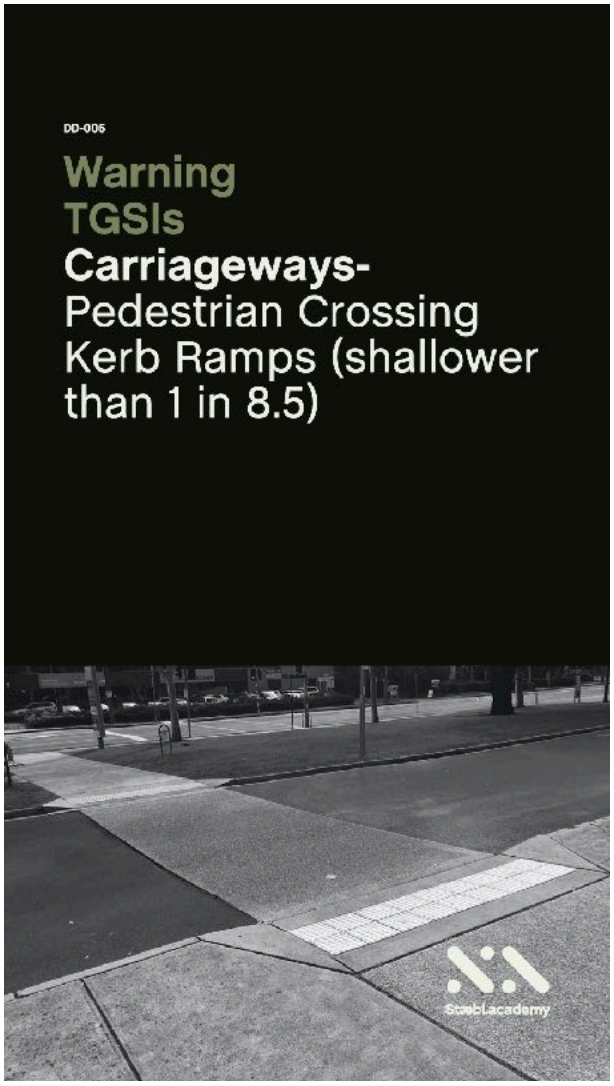
Sample design session



Course: **DD-004**
Length: **4:59 mins**
Instructor: **Dean Homicki**

This Staebl.academy learning session will cover the use of Warning TGSIs on a Pedestrian Crossing which is at the same grade (or level) as the Carriageway. For the orientation of persons who are blind or vision impaired, applying this knowledge enables us to determine how to use TGSIs and conform to the specifications of the Australian TGSI standards.

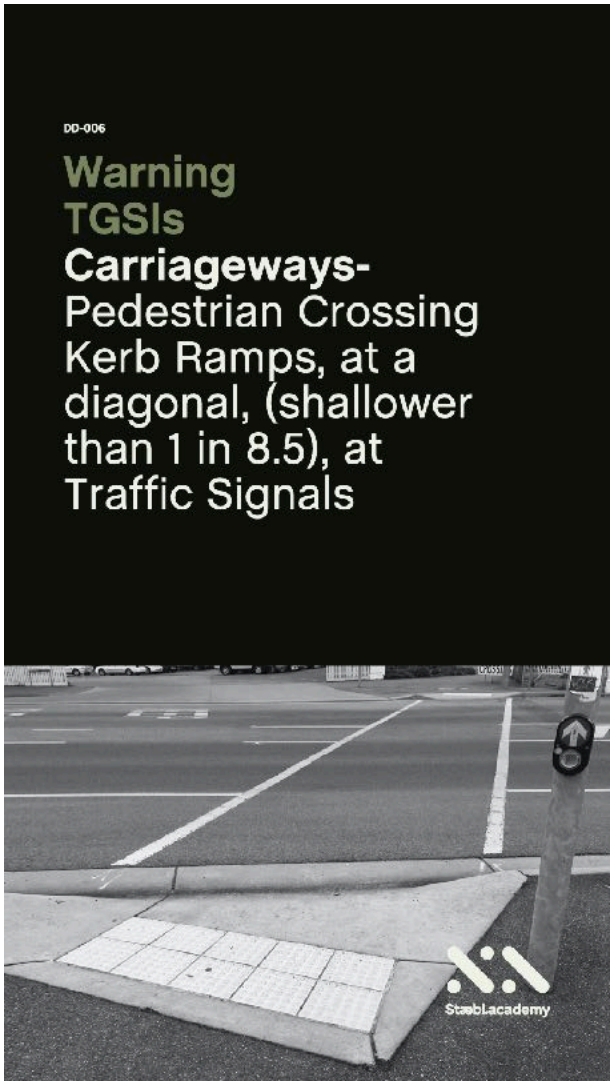
Sample design session



Course: **DD-005**
Length: **4:55 mins**
Instructor: **Dean Homicki**

This Staebl.academy learning session will cover the use of Warning TGSIs on Kerb Ramps on a Carriageway Pedestrian Crossing, which are (shallower than 1 in 8.5).

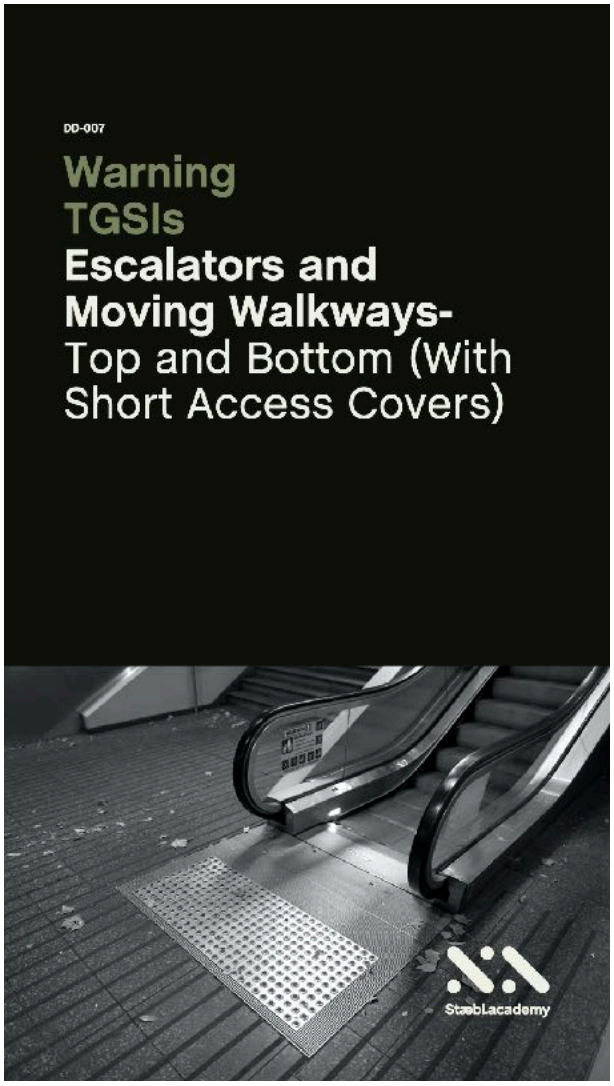
Sample design session



Course: **DD-006**
Length: **5:39 mins**
Instructor: **Dean Homicki**

This Staebl.academy learning session will cover the use of Warning TGSIs on Carriageway Pedestrian Crossing Kerb Ramps, at a diagonal, that are (shallower than 1 in 8.5), at Traffic Signals.

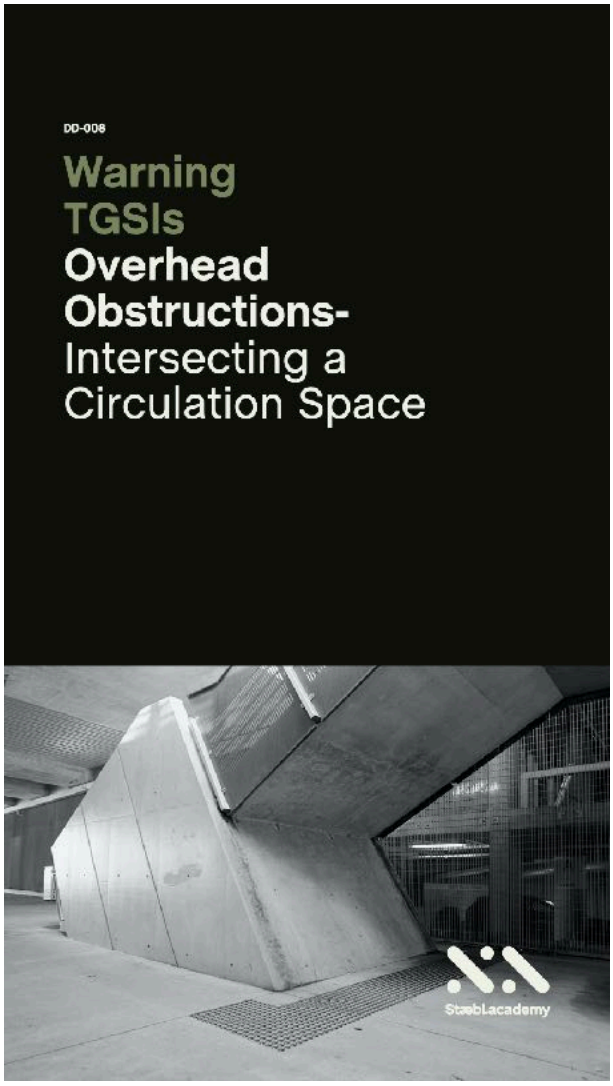
Sample design session



Course: **DD-007**
Length: **4:23 mins**
Instructor: **Dean Homicki**

This Staebl.academy learning session will cover the use of Warning TGSIs on Escalators and Moving Walkways, Top and Bottom, (With Short Access Covers).

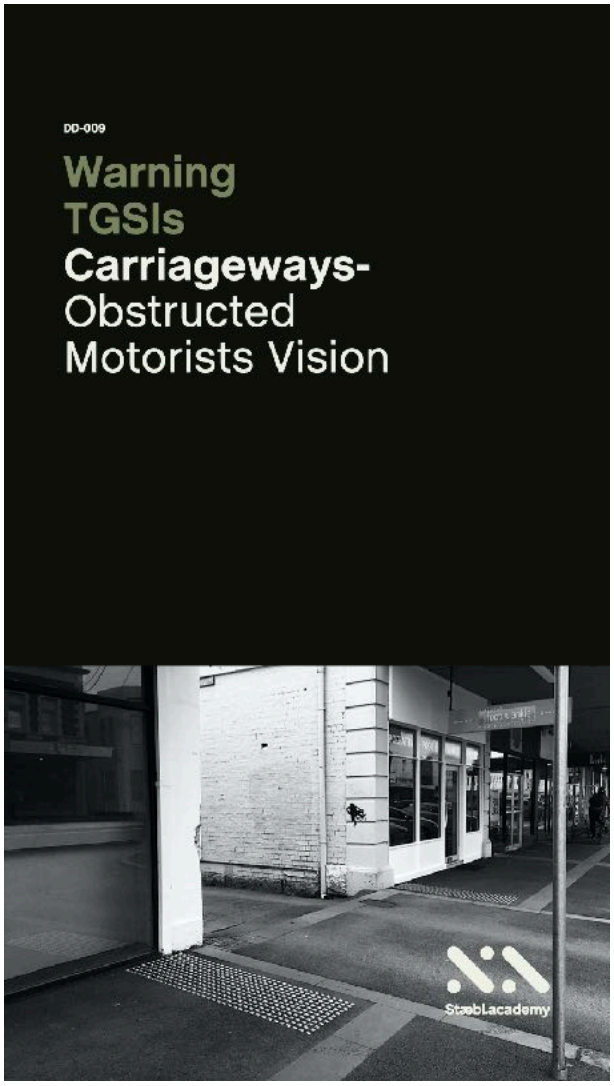
Sample design session



Course: **DD-008**
Length: **4:55 mins**
Instructor: **Dean Homicki**

This Staebl.academy learning session will cover the use of Warning TGSIs and Overhead Obstructions that are intersecting with a Circulation Space.

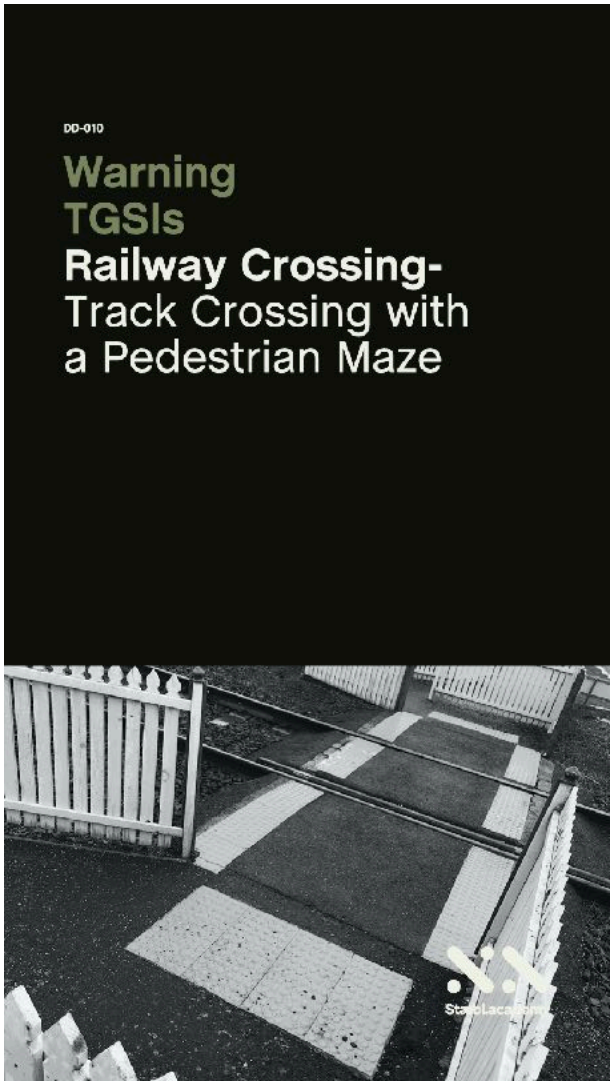
Sample design session



Course: **DD-009**
Length: **6:41 mins**
Instructor: **Dean Homicki**

This Staebl.academy learning session will cover the use of Warning TGSIs on Carriageways, where and when a Motorist's Vision is obstructed.

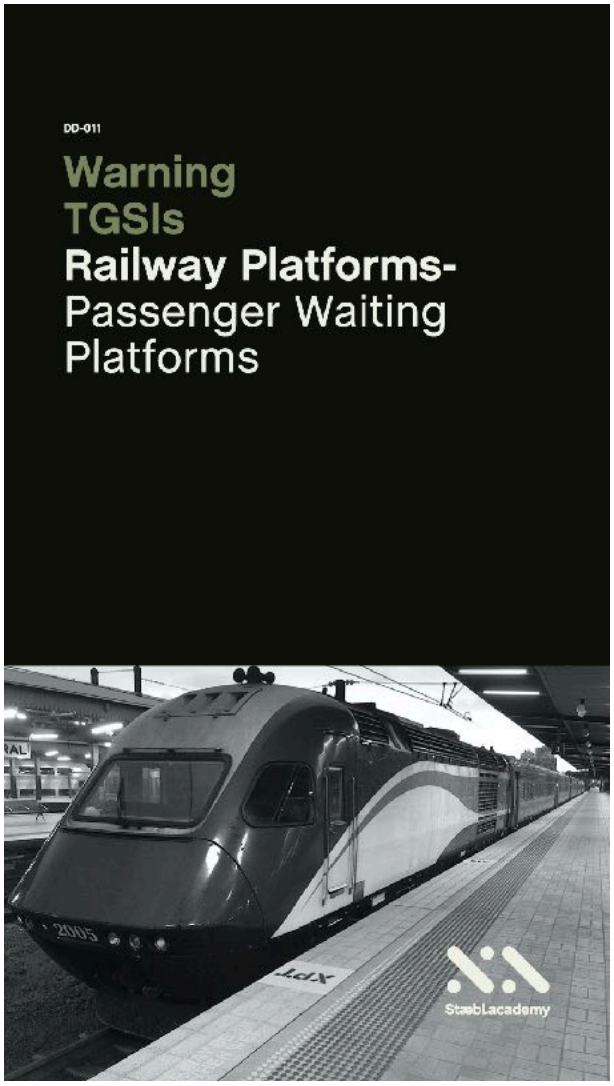
Sample design session



Course: **DD-010**
Length: **7:47 mins**
Instructor: **Dean Homicki**

This Staebl.academy learning session will cover the use of Warning TGSIs on a Railway Crossing - A Track Crossing with a Pedestrian Maze.

Sample design session



Course: **DD-011**
Length: **4:36 mins**
Instructor: **Dean Homicki**

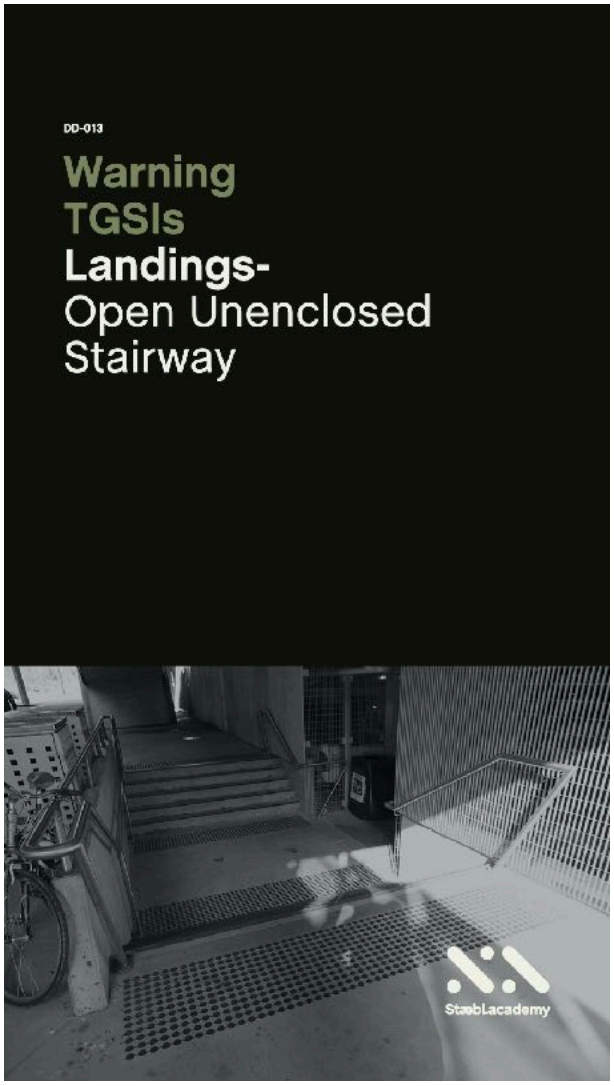
This Staebl.academy learning session will cover the use of Warning TGSIs on Railway Passenger Waiting Platforms.

Sample design session

Course: **DD-012**
Length: **5:10 mins**
Instructor: **Dean Homicki**

This Staebl.academy learning session will cover the use of Warning TGSIs on a Stairway with an Open Landing and, an Enclosed Landing that is less than 3000mm in depth, with dis-continuous outer handrails.

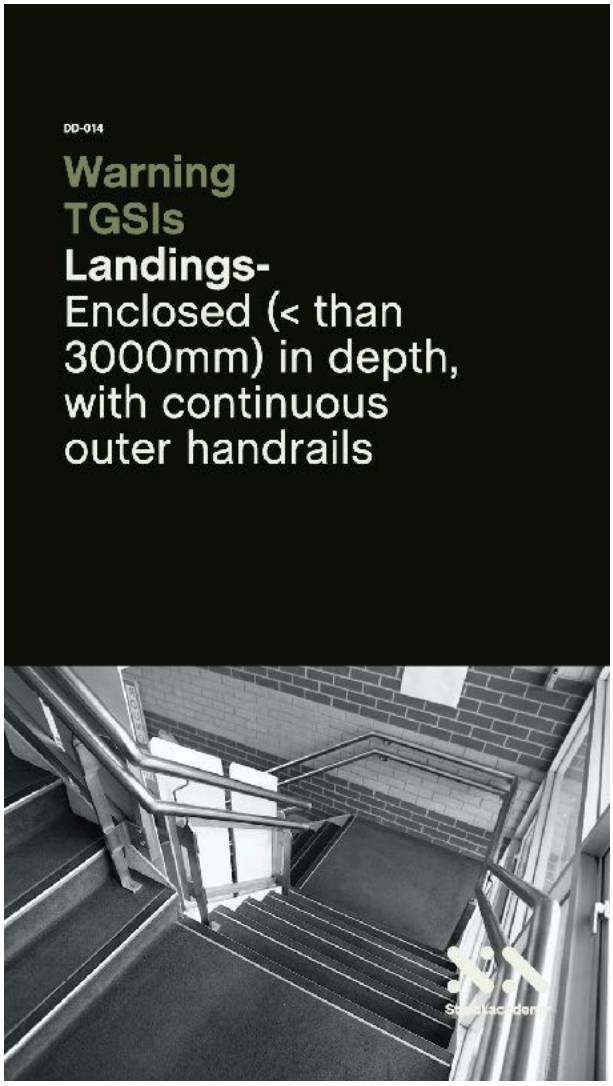
Sample design session



Course: **DD-013**
Length: **5:26 mins**
Instructor: **Dean Homicki**

This Staebl.academy learning session will cover the use of Warning TGSIs on an Open Landing, on an Unenclosed Stairway.

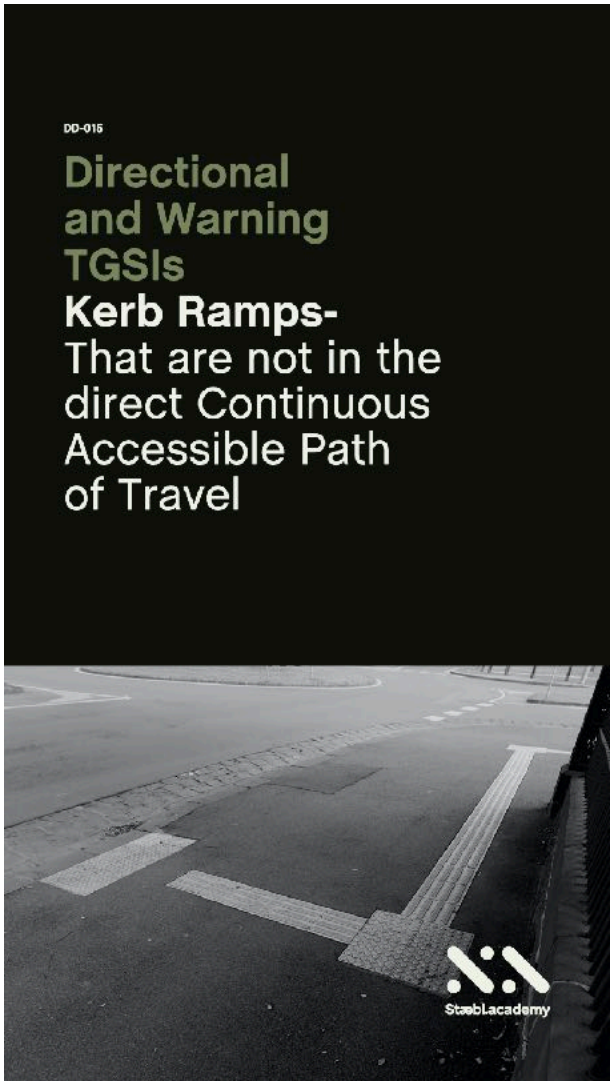
Sample design session



Course: **DD-014**
Length: **3:52 mins**
Instructor: **Dean Homicki**

This Staebl.academy learning session will cover the use of Warning TGSIs on a Stairway with Enclosed Landings, less than 3000 mm in depth, with Continuous outer handrails.

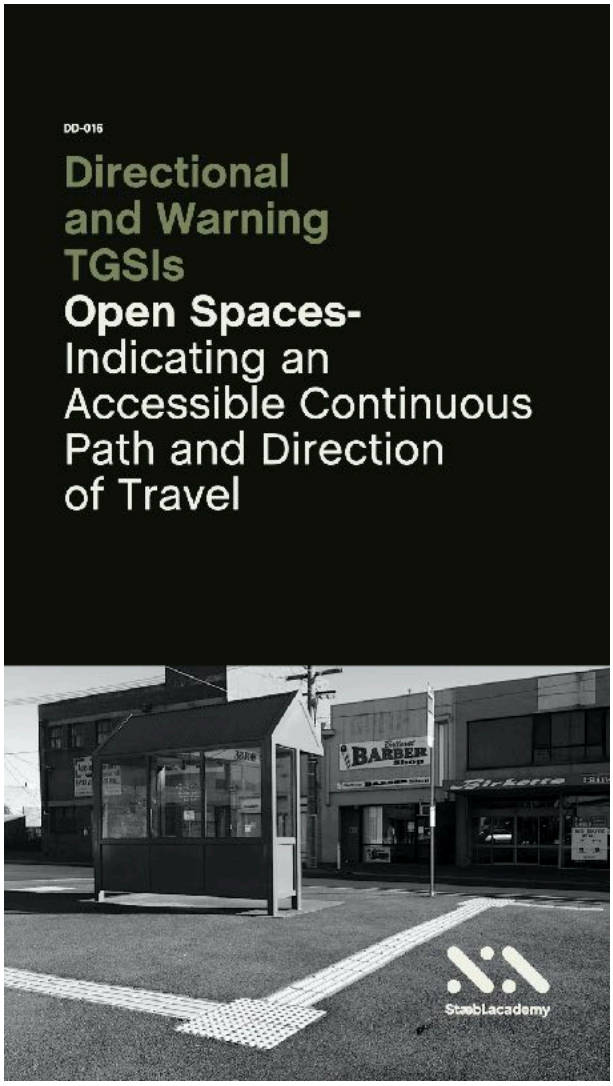
Sample design session



Course: **DD-015**
Length: **6:10 mins**
Instructor: **Dean Homicki**

This Staebl.academy learning session will cover the use of Directional and Warning TGSIs with Kerb Ramps that are not in the Direct Continuous Accessible Path of Travel.

Sample design session



Course: **DD-016**
Length: **5:14 mins**
Instructor: **Dean Homicki**

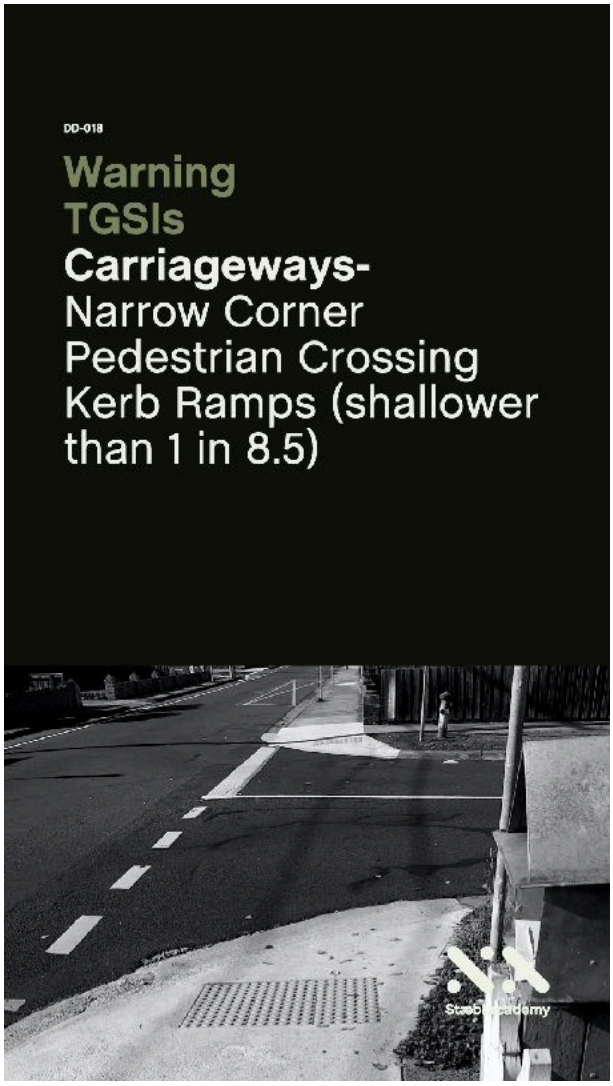
This Staebl.academy learning session will cover the use of Directional and Warning TGSIs in Open Spaces, indicating an Accessible Continuous Path and Direction of Travel, where there are insufficient tactile directional cues.

Sample design session

Course: **DD-017**
Length: **4:26 mins**
Instructor: **Dean Homicki**

This Staebl.academy learning session will cover the use of Directional TGSIs in Open Spaces, approaching at an angle, or across the Accessible Continuous Path of Travel.

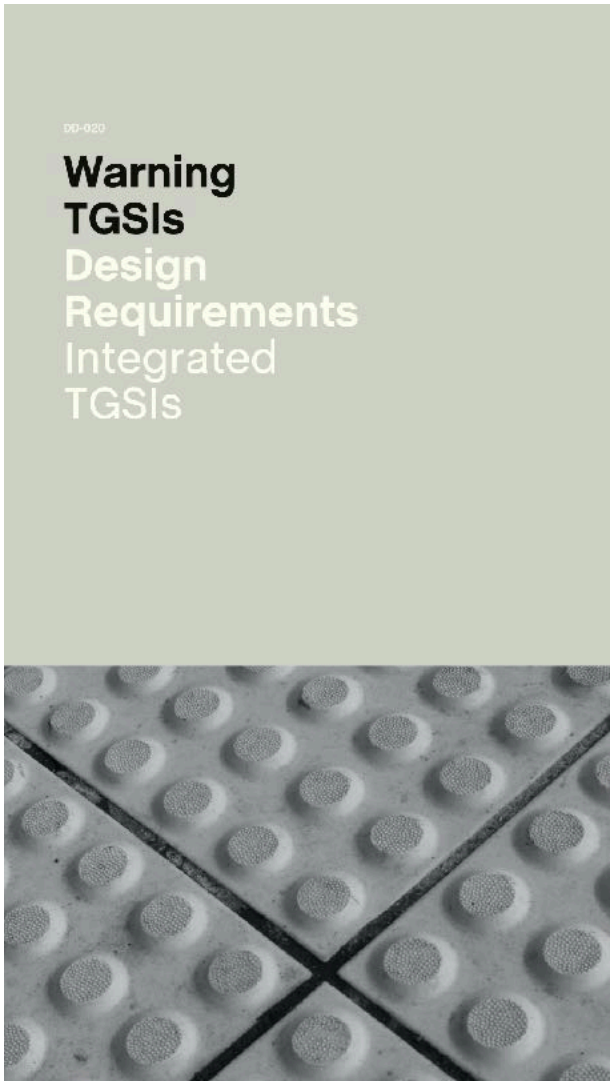
Sample design session



Course: **DD-018**
Length: **6:34 mins**
Instructor: **Dean Homicki**

This Staebl.academy learning session will cover the use of Warning TGSIs on a Carriageway Narrow Corner, with a Pedestrian Crossing with Kerb Ramps that are (shallower than 1 in 8.5).

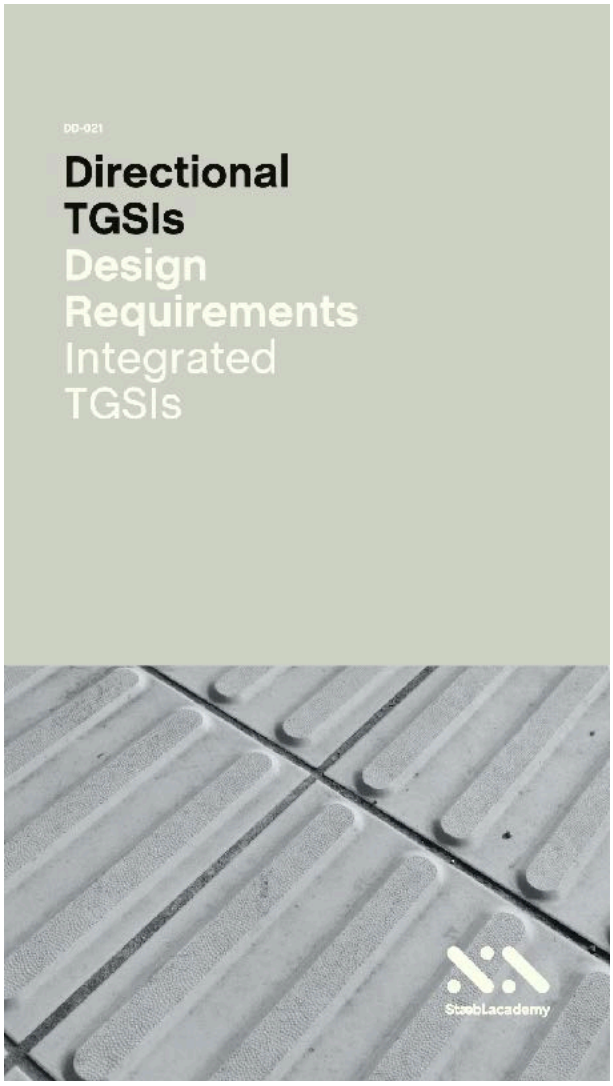
Sample design session



Course: **DD-020**
Length: **5:30 mins**
Instructor: **Dean Homicki**

In this learning session, we review the Australian Integrated Warning Tactile Ground Surface Indicators (TGSIs). Integrated TGSIs are defined as 'Tactile Ground Surface Indicators (TGSIs) that are, in a defined pattern and which are of the same Luminance and material as the Base Surface.'

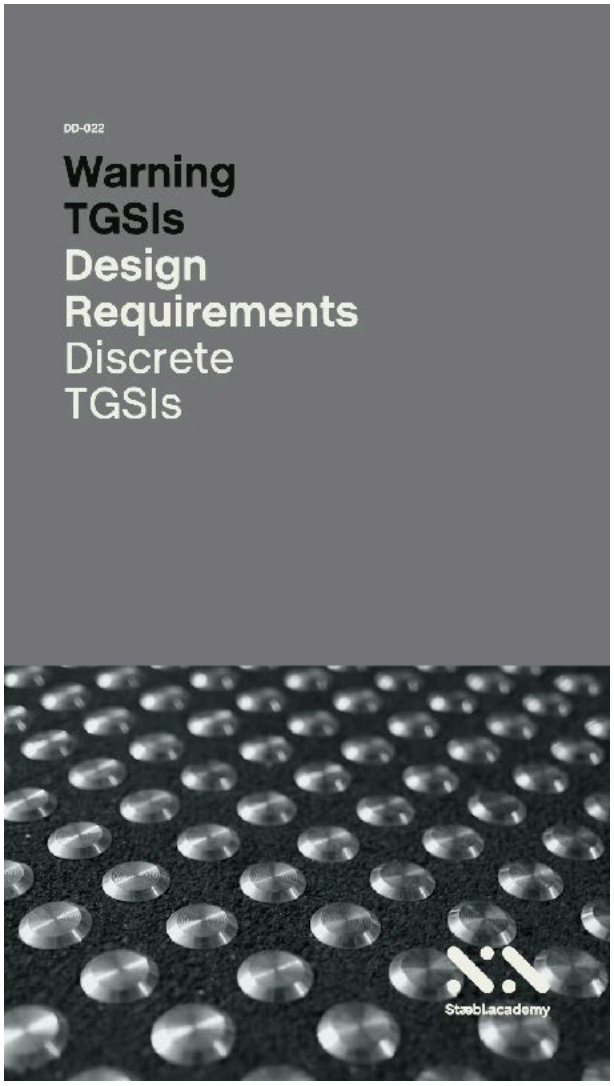
Sample design session



Course: **DD-021**
Length: **6:19 mins**
Instructor: **Dean Homicki**

In this learning session, we review the Australian Integrated Directional Tactile Ground Surface Indicators (TGSIs). Integrated TGSIs are defined as 'Tactile Ground Surface Indicators (TGSIs) that are, in a defined pattern and which are of the same Luminance and material as the Base Surface.'

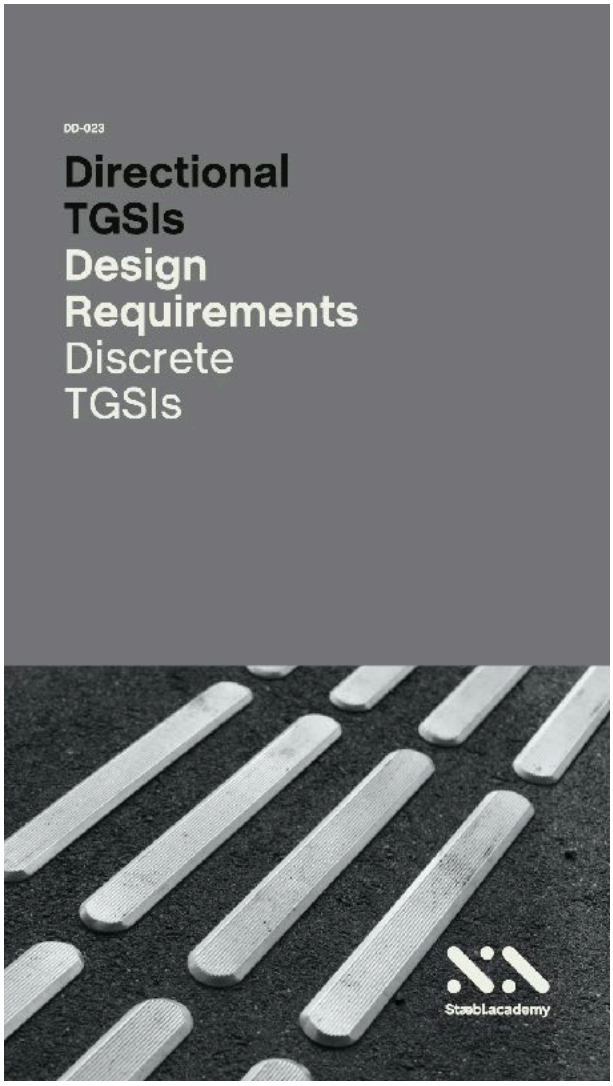
Sample design session



Course: **DD-022**
Length: **5:29 mins**
Instructor: **Dean Homicki**

In this learning session, we review the Australian Discrete Warning Tactile Ground Surface Indicators (TGSIs). Discrete TGSIs are defined as 'Tactile Ground Surface Indicators (TGSIs) that are individually installed, which provide the same Luminance for the Sloping Sides, and the Upper Surface of the Truncated Cone.

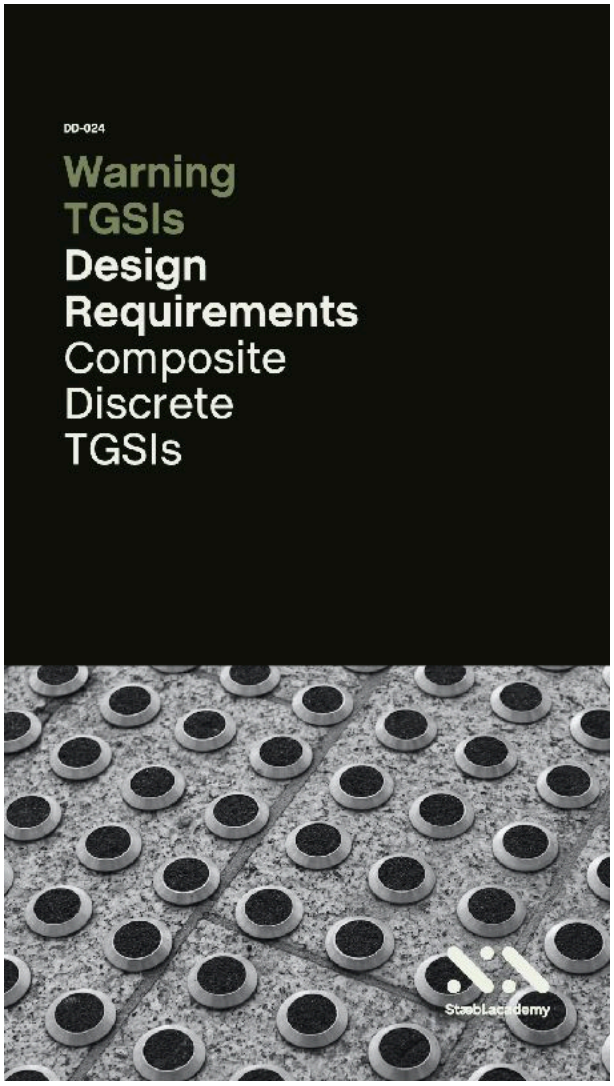
Sample design session



Course: **DD-023**
Length: **6:43 mins**
Instructor: **Dean Homicki**

In this learning session, we review the Australian Discrete Directional Tactile Ground Surface Indicators (TGSIs). Discrete TGSIs are defined as 'Tactile Ground Surface Indicators (TGSIs) that are individually installed, which provide the same Luminance for the Sloping Sides, and the Upper Surface of the Truncated Bar.'

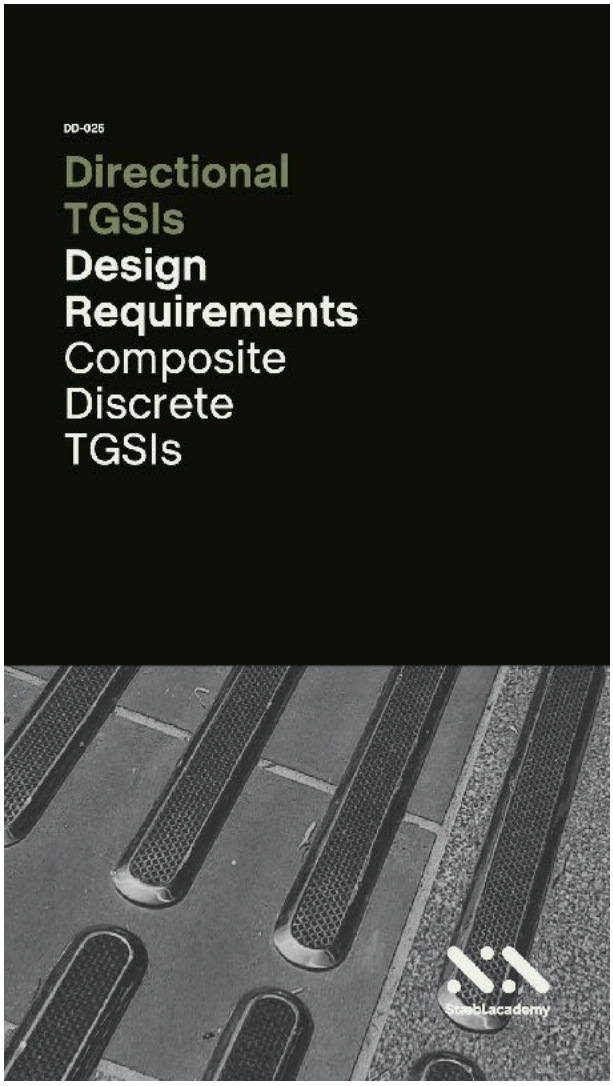
Sample design session



Course: **DD-024**
Length: **5:29 mins**
Instructor: **Dean Homicki**

In this learning session, we review the Australian Discrete Warning Tactile Ground Surface Indicators (TGSIs). Discrete TGSIs are defined as 'Tactile Ground Surface Indicators (TGSIs) that are individually installed, which provide the same Luminance for the Sloping Sides, and the Upper Surface of the Truncated Cone.'

Sample design session



Course: **DD-025**
Length: **6:56 mins**
Instructor: **Dean Homicki**

In this learning session, we review the Australian Composite Discrete Directional Tactile Ground Surface Indicators (TGSIs). Composite Discrete TGSIs are defined as 'TGSI that are individually installed, which provide a differing luminance for the sloping sides, and the upper surface of the truncated Bar.'

Sample design session

Stæbl Academy:

Learn about mobility access design **when you need, anywhere, anytime.**

Resources include **videos, subtitles**, **audio** & **written transcripts, how-to's** & **sources** all of which can be **viewed on any device** that is connected to the internet.

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