## A GUIDE FOR BIOPTIC DRIVING

By Christine Haloda

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## INTRODUCTION

The increase in the geriatric population and the increase in maintaining independence are apparent today more than ever. With the expanding geriatric population the older driver is expected to increase considerably. Driving plays a large part in maintaining one's independence and giving a person self worth. That is why it is important that the visually impaired driver maintain the right to drive as long as the driver's and public's safety is not jeopardized. The eyecare professional can help address the needs of the visually impaired patient by referring the patient for a low vision examination. The eyecare professional can also attempt to help insure the safety and independence of the driver by referring the patient to a driving program.

The following guide will provide information on the steps the visually impaired patient must take in obtaining or maintaining driving privileges. The guide will discuss the protocol the visually impaired patient must take from having the low vision examination to being issued a driver's license. Topics addressed will be the bioptic telescope, the driving program, obtaining a driver's license, and the legal issues involved.

## PRELIMINARY ELEMENTS

The eyecare professional, who does not specialize in low vision, should refer the visually impaired patient to a low vision clinic. A low vision clinic will help address the patient's needs for daily living. This entails using environmental adaptations, non-optical techniques, and low vision devices.<sup>2</sup> If the patient has the desire to drive a motor vehicle then

the patient is educated on the visual requirements involved, the use of a bioptic mounted spectacle telescope, and the prognosis of the patient actually driving including realistic expectations regarding limited driving. The visual requirements for driving will be discussed later in the driver requirement section. If the patient meets the driving requirements and is a good candidate for bioptic driving then a plan is implemented to achieve this goal.

The first step is to have the best conventional correction for the patient. Unfortunately, with a lack of communication in some multi-disciplinary alliances this basic provision can be overlooked. An ocular disease or disorder may have been the main concern, in turn overshadowing a patient's uncorrective refractive error.

Next is enhancing distant vision which involves the use of handheld or spectacle mounted telescopes. Often the handheld or full field positioned spectacle mounted telescopes are loaned to the patient before being fitted for a bioptic spectacle mounted telescope. Another alternative some low vision clinics provide is to loan a bioptic telescope to the patient for a period of two or more weeks. These three options are more practical for the patient than to initially fit for a bioptic telescope to insure that the patient can be accustomed to using a bioptic before encountering the cost of purchasing one. To become more proficient in using the handheld, full field positioned, and bioptic telescopic loaner the patient is given some skill development tasks. These tasks can consist of scanning and locating objects, developing judgment skills, and being accustomed to the optics of the telescope for example increased magnification, decreased field of view, and tunnel vision affect.

The patient needs to develop the following skills in using a telescope to become proficient in its use: 1) peripheral awareness, 2) scanning, 3) tracking, 4) spotting, 5) visual imagery, 6) visual memory, and 7) reaction time <sup>3</sup> (See Appendix 1).

After these goals have been obtained and the patient has adjusted to the use of a handheld telescope, full field spectacle mounted telescope, or bioptic telescopic loaner the patient can be fitted with a customized bioptic telescope.

## BIOPTIC TELESCOPE

The bioptic mounted spectacle telescope is the telescopic system required for a visually impaired patient to wear in operating a motor vehicle. It is the only type of telescopic lens that can be worn and still have peripheral vision allowing the patient to be mobile. Mobility is maintained because the majority of the time the carrier lens, which allows a full visual field, is utilized. The bioptic telescope incorporates a low vision patient's distant prescription and a compact telescope mounted at the top of the lens 9mm below the top of the carrier lens. The telescopes available for the bioptic system are the 1.7x, 2.2x, 3.0x, or 4.0x Model I, a 2.2x Model II which is smaller and therefore can be more cosmetically pleasing, and the wide angle bioptic telescope in the 2.2x or 3.0x which provides a larger visual field² (See Appendix 2).

## FITTING THE BIOPTIC TELESCOPE

In some instances the patient may prefer a different telescopic prescription to the distant carrier lens therefore, to insure the patient has the best visual acuity through the telescope the low vision specialist wants to do a telescopic trial frame evaluation. A telescope is placed in the front cell of the trial frame and loose lenses are placed in the back cells to see which prescription will provide the best vision for the bioptic telescope. The telescope should be placed 9mm below the top of the carrier lens and decentered to the patient's monocular pupillary distance. An accurate monocular pupillary distance is essential. The bioptic spectacle

mounted telescope can be fitted moncularly or binocularly depending on the patient. If the patient has unequal visual acuity the eye care specialist should do a monocular fit and place the telescope over the eye with the better acuity unless the patient's visual fields dictate differently. A patient who has an equal amount of blurred vision in both eyes and has had binocular vision before the vision loss may prefer a binocular telescopic fit. When fitting the bioptic telescope the weight of the bioptic telescope must also be considered therefore monocular fits are usually the best choice.<sup>3</sup>

The telescope is usually oriented at the lab at a ten-degree superior angle. By decreasing this angle the patient increases the optical jump between the carrier lens and the telescope. This allows minimal head movement and maximal eye movement when the patient looks into the telescope. This strategy is more advantageous because the "eyes can move ten times faster than the head" therefore, the patient can spot quicker through the telescope.<sup>3</sup>

The bioptic telescope is a Galilean telescope. Galilean telescopes provide maximum visual field when a person's eye is as close to the telescopic ocular lens as possible. Therefore, it is important that the bioptic telescope is adjusted properly by having minimal vertex distance to increase the patient's visual field.<sup>2</sup>

## **BIOPTIC TRAINING**

It is important to educate the low vision patient in the mechanics of the bioptic telescope. The patient views the surrounding environment through the carrier lens with the patient's distant prescription and tilts his head slightly down into the telescope to assess detail when necessary. The telescope is used to see detail and is accessed less than 10% of the time. To help the patient become more proficient with the bioptic telescope static-kinetic training

techniques are applied. These techniques require the patient to learn how to locate stationary objects while stationary, moving objects while stationary, stationary objects while moving, and moving objects while moving (See Appendix 3). It is recommended that the patient train with the bioptic telescope for 20 hours before enrolling in a driving program.

## DRIVING REQUIREMENTS

Each state has its own visual requirements for driving a motor vehicle. Depending upon the state requirements the bioptic driver's visual acuity can range from 20/40 to 20/100 through the telescopic device, a visual field of 100 to 140 degrees laterally without any large scotomas, and an acuity of 20/40 to 20/200 through the carrier lens with the patient's distant prescription <sup>2</sup> (See Appendix 4). The eye care practitioner must also consider the patient's physical abnormalities, sensory motor problems, and mental status that may hinder the patient from driving competently and safely.

## DRIVING PROGRAM

A typical driving program consists of a 1) pre-screening evaluation, 2) telescopic evaluation, 3) co-piloting training, and 4) road evaluation. To enroll in a driving program the participant is referred by a physician or a low vision specialist. The participant must have a valid driver's license or a driver's permit. Many experienced drivers have a valid driver's license but in view of their physical or visual problems have opted not to drive. The participant must also provide a completed visual statement and physicians statement before they proceed with the driving pre-screening and subsequent road evaluation. The visual statement needs to be completed by an optometrist or an ophthalmologist (See Appendix 5). Monocular and

binocular uncorrected and corrected acuities and visual fields will be assessed to see if the patient meets the state's visual requirements for driving. An anterior chamber, posterior chamber, and fundus evaluation by an eye care specialist will provide insight to any progressive diseases of the eye. Saccades, range of motion, color vision, glare recovery, depth perception, and any occurrence of diplopia can also be evaluated. The physician will provide pertinent medical history and assurance that the patient meets the state requirement of being seizure free for the past six months (See Appendix 6).

## PRE-SCREENING

The driving program provides a pre-screening of the patient to review the patient's history and assess the patient's cognitive ability, visual perception/processing time, and reaction time (See Appendix 7 & 8). The pre-screening is administered by an occupational therapist (OTR). Evaluation of these aspects is crucial to the safety of the driver and the public before the road evaluation. Some tests that are utilized for evaluation are the Motor Free Visual Perception Test (MVPT), H cancellation test, Line bisection test, Porto-Clinic/Glare Test, Grommet Manipulation test, and Titmus Vision Test <sup>1</sup> (See Appendix 9 for test process). If the patient demonstrates poor performance during these tests then continuation of bioptic training for driving purposes may not be recommended.

## **BIOPTIC EVALUATION**

The patient's ability to manipulate the bioptic telescope for visual use is evaluated (See Appendix 10). It is pertinent that the patient is properly educated on how to use the biotic telescope while driving. The carrier lens is used to evaluate the surrounding environment

while driving and the telescopic lens is used less than 10% of the time to appreciate detail when necessary to spot lettering on signs or unfamiliar objects in the surrounding environment. Once proficient in the telescopic static-kinetic techniques mentioned previously in the bioptic telescopic training section the patient is ready for co-pilot training.

## **CO-PILOT TRAINING**

Co-pilot training provides the patient the opportunity to utilize the telescope to assess the environment while under the simulation of driving conditions i.e. speed and vibration of the vehicle. The patient rides in the passenger seat while someone else is driving. An OTR rides in the rear seat evaluating the patient using the telescope. The OTR will assess the patient's ability to locate and identify objects in an appropriate amount of time. (See Appendix 11).

## **ROAD EVALUATION**

The road evaluation consists of having the patient drive the vehicle under a multitude of different stimuli. The patient must be able to be selective to the different stimuli and be able to process and react to the information promptly.<sup>3</sup> It is crucial that the patient incorporate an unconscience level of priority to the different stimuli to be able to react to them appropriately. For the safety of the public, driver and passengers of the vehicle the vehicle is equipped with dual brakes and hand controls to allow the person in the passenger seat to control the vehicle in any type of hazardous conditions. The OTR assesses the patient's competency to drive with the telescope by seeing how proficient the patient is with application, judgment and reaction skills (See Appendix 12). The training course can encompass different types of environments such as residential areas, busy downtown districts, or highways. It is recommended that the

inexperienced drivers receive 20-30 hours of training and the experienced drivers receive 10-15 hours of training in one-hour sessions.<sup>1</sup>

The OTR will complete a discharge summary on the services given to the patient and the results of their clinical testing. The summary also includes recommendations following driver training. These recommendations may be 1) full independent driving privileges, 2) independent driving privileges with license restrictions to area, time, or conditions such as no freeway driving or night driving, 3) retest, or 4) not recommended for driving a motor vehicle. This summary information is forwarded to the physician or low vision specialist, who referred the patient to the driving program, so he is aware of the prognosis of the patient's ability or inability to drive. The summary also informs the physician or low vision specialist of the patient's test performance (See Appendix 13). If the physician or low vision specialist determines that the patient can not safely drive a vehicle after reviewing the summary information then a Request for Reexamination form must be filed with the Department of State Bureau of Driver Improvement (See Appendix 14). The OTR will also send the patient's results of the in-clinic evaluation, road evaluation and a driver assessment report to the patient to inform the patient to contact and review the results with his physician or low vision specialist (See Appendix 15).

## PSYCHOSOCIAL ASPECTS

When the low vision specialist or OTR feels the patient is not competent to drive following the training of the driving program due to visual, physical, or mental incapabilities the patient has to be educated in the matter. Ultimately, the low vision specialist is responsible

in informing the patient that driving is not recommended. This information has to be documented in the patient's records for legal reasons if addressed.

Some low vision facilities have a multidisciplinary approach where a social worker is integrated into the system to provide the information and emotional support the patient may need when confronted with the situation of not being able to drive. If a social worker is not employed at a low vision or driving program facility the low vision specialist should recommend a facility or organization that can provide emotional support to the patient.

## **LEGALITIES**

The legal issues involving a patient who is incapable of driving competently are still presently unclear. There is great moral responsibility to the eye care specialist who recommends licensure and the Secretary of State that issues the license. However, the Secretary of State has sole authority in providing or restricting one's driver permit or license. The best solution is to educate the patient in their incapacity to drive due to 1) not meeting the state's visual requirements, 2) being physically inept, or 3) being mentally stressed or unstable and to consistently document these discussions. The referring physician or low vision specialist, who recommended the driving program, is responsible in informing the patient of the capacity to drive with/without restrictions or not being able to driving at all and the circumstances that prohibit them from driving, be it visually, physically, or mentally.

The referring physician, optometrist, or OTR may even consider having the patient sign an affidavit stating that information and education regarding the circumstance of not being able to physically drive due to sensory motor problems or poor reaction time, legally drive due to unmet vision standards, or mentally capable due to decreased alertness caused by medications

or just increased anxiety seen in inexperienced drivers has been discussed. Other options to consider when unsure of patient compliance would be to 1) inform and educate a family member on the patient's restriction to legally and/or competently drive or 2) report the patient to the Secretary of State or Department of State Bureau of Driver Improvement so they in turn may revoke the patient's driver license upon testing and failure of visual standards. However, these two options may be considered a breach of confidentiality between patient and doctor if the patient does not want their personal information divulged.

## **OBTAINING A DRIVER'S LICENSE**

The telescopic driver must schedule and complete a road test at the Department of Motor Vehicles after successfully completing a driving program. If the telescopic driver competently passes the road test, a road test certificate is issued and is to be presented to a Secretary of State branch office to apply for a license. The Secretary of State branch personnel conducts an examination of the applicant's visual acuity and peripheral vision with the bioptic telescope using the Titmus Vision Tester. If the telescopic driver passes the visual acuity and peripheral vision test then a driver's license is authorized. A driver's license photo is taken with the telescopic driver wearing the bioptic telescope. The telescopic driver is issued a temporary driver's license noting telescopic lens wear and any driving restrictions that might apply until the permanent driver's license is issued. The permanent driver's license will be sent to the telescopic driver by mail. On the back of the permanent driver's license a sticker will note the use of a telescopic lens and any applicable driving restrictions that may apply. However, the telescopic driver may be required to submit a vision statement every six or twelve months per doctor's recommendation (See Appendix 15).

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## DISCUSSION

The ultimate program for a low vision patient / bioptic telescopic driver would be a multidisciplinary facility that integrates the low vision specialist, OTR, social worker, and the driving program. However, very few of these facilities actually exist in turn exposing many problems that might not be addressed. Potential problems that may arise are 1) inadequate use of the bioptic telescope, 2) patients having anxiety and frustrations, and 3) lack of communication and responsibility between different facilities if not affiliated with each other.

Unfortunately, some bioptic telescopic drivers misinterpret the information on how to use a bioptic or they are not educated properly on the use of the it. This creates a problem when the OTR at the driving program must educate the patient on how to use the bioptic to scan, track, and spot objects because the patient must show proficiency in these categories before advancing to the co-pilot training. This situation also causes an increased expense to the patient because the patient solely finances the driving program. The optometric clinic that provided the bioptic telescope to the patient is responsible in informing the patient on how to use the bioptic and should provide some exercises to help the patient become more proficient in scanning, tracking, and spotting. Some of the optometric expenses could be covered under the patient's insurance in turn, making it more cost effective for the patient and more time proficient for the driving program.

Many low vision patients feel anxiety and frustration due to their decreased vision and inadequacies in performing certain tasks such as driving. In a multidisciplinary facility a social worker can help address and cope with the frustrations that the patient might be experiencing. Addressing these issues may help the patient from losing focus of his goals and expectations.

A patient's concerns and frustrations can be an oversight at certain facilities due to gray areas in responsibility in providing mental and emotional support to the patient. Providing mental and emotional support to the patients is very time consuming and if we can not provide sufficient support to the patients then we must incorporate outside resources like Commission for the Blind and Vision Enrichment Services to help the patients deal with their emotions.

Miscommunication and lack of responsibility to the patient can also pose a problem in nonaffiliated facilities. Guidelines should be implemented between these non-affiliating facilities to help provide total support to the patient instead of assuming that responsibility lies elsewhere.

An integrated multidisciplinary facility is a rare set-up, however, by working interprofessionally a multidisciplinary relationship among eyecare professionals, OTRs, Commission for the Blind, Vision Enrichment Services, and the driving programs can be established. It would be beneficial to our profession as eye care providers to help the optometric field in implementing a standard to an interprofessional multidisciplinary institution.

Integrating these guidelines into our profession and implementing interprofessional multidisciplinary institutions can help define future regulations, policies, and liability issues concerning bioptic telescopes in the years to come.

## CONCLUSION

The topics addressed are to help the eye care professional inform visually impaired patients of elements entailed in obtaining or maintaining a driver's license. As eyecare

professionals it is our responsibility to provide the public services that will meet visual needs or to refer to other agencies that will address these needs.

The major concern is whether the visually impaired patient is able to drive competently and safely. No one can predict which driver is a risk to themselves and others but we can recommend driving programs to those patient's who are visually impaired and still want to maintain driving privileges. No one wants to deprive a person from driving, in turn affecting their independence and self worth, but as eyecare professionals we have an obligation to inform a patient when their driving can be a potential hazard to themselves and others. The driving program is very beneficial to those who can maintain their driving privileges and independence and low vision patients should be given this opportunity.

# **APPENDICES**

## TELESCOPIC DEVELOPMENT TASKS

1) PERIPHERAL AWARENESS clues you to pick up vital information quickly. It tells you when to shift your attention from sensing to seeing, and then planning an action.

PRACTICE: Place yourself in the center of the room. Look at one specific object straight ahead. Do not shift your eyes. Using only your side vision, "sense" as much as you can, name as many objects, colors, and notice movement.

2) SCANNING AND TRACKING are the locating and planning steps. These skills will map out the visual boundaries of the environment.

PRACTICE: Go to a shopping mall. Locate a seat where you have a view of various store entryways and shoppers. Practice scanning the walkways on the mall...follow one shopper as he walks down the mall.

3) SPOTTING is the identification step. When you identify the target, you are ready to plan your next move.

PRACTICE: Go to a grocery store. Scan the signs above the lanes. Shift your view to look through the telescope to spot and read a particular sign.

4) VISUAL IMAGERY AND MEMORY are skills on how well you remember something you saw....Creating "mental pictures" of what you see, storing these pictures in your mind, and developing efficient, retrieval techniques are skills you will need.

PRACTICE: Look at a page in a magazine for one minute. Close your eyes. Picture in your mind that same page. Name as many objects, colors, and location of specific items on the page as you can.

NOTE: Taken directly from Living with Vision Loss

## **BIOPTIC TELESCOPES**

MODEL I TYPE	FIELD OF VIEW (DEGREES)
1. 1.7x BIOPTIC TELESCOPE	18
2. 2.2x BIOPTIC TELESCOPE	16
3. 3.0x BIOPTIC TELESCOPE	8
4. 4.0x BIOPTIC TELESCOPE	6
MODEL II	
1. 2.2x BIOPTIC TELESCOPE	11
WIDE ANGLE TYPE	
1. 2.2x BIOPTIC TELESCOPE	16
2. 3.0x BIOPTIC TELESCOPE	11

TELESCOPIC TRAINING TECHNIQUES

## Beaumont Eye Institute Low Vision Center

## TELESCOPIC TRAINING TECHNIQUES

## **Training Instructions:**

- Step 0 Learn to locate stationary objects while you are stationary.
  - > Using your own home or familiar surroundings.
  - > Using large high contrasted targets FIRST.
  - > Then decrease contrast and target size.
  - > Then increase background distractions and distances.
  - > Scan your doors, work to the walls, hallways and to locating signs and objects.
- Step @ Learn to locate moving objects while you are stationary.
  - Watching television, viewing in your yard (birds flying), as a passenger in a car (locate and track objects such as trees, signs, and traffic lights and buildings).
  - Have a friend or family member move around at various distances.
  - > Pedestrians walking.
  - > Follow a moving ball.
- Step 0 Learn to locate stationary objects while you are moving.
  - > Reading signs while you are walking.
  - Viewing buildings and entrances while you are walking.
- Step 6 Learn to locate moving objects while you are moving.
  - > Walking in a familiar neighborhood.
  - > Go to a shopping mail.
  - > A walk in the park.
  - > Ride a bicycle (when indicated).
  - > Use a go-cart facility (when indicated).
  - > Simulate driving (as a navigator).

Reminder Be patient with yourself, if you get frustrated stop for awhile. Remember it takes time to adapt, you will not master the telescope overnight.

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- Skill Area > You need to develop visual discrimination skills.
  - > You need to develop visual memory skills.
  - > You need to develop application skills.
  - > You need to develop judgment skills.
  - > You need to develop tracking and locating skills.

Reason

The type of telescope system that you have will indicate how you use the system.

In a non-stationary situation you want to be able to anticipate:

- > Your situation ahead of time.
- > Your reaction time to a given situation.
- > Your field of view, with its limitations.
- > Light gathering decrease, and how it affects you.
- > The "tunnel affect" and how it affects you.
- > A fixation loss, and how you will respond, etc.

bummary

Judgment is very important! Not everyone with low vision who is given a telescope will be a good driver. When prescribing a telescope system for driving one makes the basic assumption that a person is able to drive safely with the visual acuity that is equal to or greater than the minimum requirement of the state of Michigan. One cannot guarantee competence and confidence!

Through commitment, appropriate training and follow up evaluations, the Low Vision staff will do everything possible to ensure your success. During your telescope loan, and following dispensing, should you have any questions, please call the Beaumont Eye Institute - Low Vision Certer at (810) 551-2020.

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\*\* 140\* for binocular vision, 105\* for monocular.
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 20/40 OU or as the besser eye, with anthour corrective lens-

DELAWARE

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n only with a motor wehade having special controls or

140' horaconical as each eve as 130' monoculion stual Acustry - Restricted

Visual Acuity - Full Driving Favelages:

\* 20/40 OU with/without connective lens
Visual Field:

No releasopat leaves are recognized on a

defocii only.

• 20/80 visiosi or worse = license denied.

Visual Pield:

• 140° horizonati. Visual Acusty - Restricted:

morery on the sale consequency to the eve with no vision 140° horizontal for bisocular vision. No for monoculor issual Acusty - Bestrated:
 20/40 in one eye with-without corrective larges: = outside muture in the ele with-without to the eyer with no vision

TEN POOL

Visual Field:

Restrictions of day

. 150 honzontal binoculor without corrective is

s researcher, probat jeuses are not permitted.

Visual Actuer - Full Driving Privileges:
• 20:40 OL or in the better eye, with without connective lens

SMAM

legas on 2017.00.100 in one or both eves a needs visual, both on 2017.00.400 and/or dimining legis to determine dimining obtained for on worse a refer to medical outwarp. Both on the control of the con

recree murror and may be green lamined directly better • At least 70' horizontal in soch eve Visual Activity - Bestingted: • 20/50-20-70 with without correction = left outside:

\* ZO/40 OU or in the better eye, well-without corrective less

COUISIANA No broppic or field cut bemainoppin) allowed.
 Board can reserct to deviyalst deweld. S5 male inclines from home on interactive diversity etc. There is no lew, only, of recommended policy, that could be followed.

Vision worse than 20/60 = refer to medical review board

men perqui ou seconnuculopou ol ele core absorpter pue jeuros » bosspie so die mineaucoen procuse qubourquo pue jeuros » bosspie so die mineaucoen consec-

. 20:40-20/60 OU or in the better eve. with/without correc-Visual Acadry - Fall Driving Privileges: • 20/40 OU or in the better eye, with/without corrective lease

KENTUCKY

must submit to dirivial test with o report from on eyes and controlled the population to the meet there associated or and host hod a good diriving record for the previous a veland's and host hod a good diriving record for the previous three and host hod a good diriving record for the previous three and host host meeting the properties of the pro-ting of the properties of the properties of the pro-ting of the properties of the properties of the pro-ting of the properties of the pro-

Visual Field:

We guideline: If not full medical board reviews case. Then opposition in must demonstrate obtain; through a directing test

KANSAS

bether eye, with/without corrective lenses = restricted to dorylaphi diriving only and speeds not exceeding 35 maph.

• If OS is less than 20/100 = left outside recurrent matrox.

sets three 30,00 No.05 asset to rud 02,05 morts and noses!V

better eye, with without consective lenses = daylight day

left and nght outside recover marrors.

Wason less than 20:40 but at least 20/50 OU or with the

outside recover murors.

• Monoculor field of at least 70' remporal and 45' nasal =

Benocular field of 140° = unvestrated license benocular field of <140° but at least  $115^\circ$  = left and right

Visual Acutity - Full Deiving Privileges: • 20-40 OU or in the better eye, with/without corrective lens-

MON

XO/30 - XO/40 in one eye and XO/50 through bland in the

orber eye « outside reanview murror.

20/50 one eye and 20/70 through bland other eye » outside reanview murror and darylaght dirents of 20/70 to 0.0 s outside reanview murror and darylaght dirents of 20/70.

directly note that the control of th

Nor remporal and 35" nasol (105" rotal) monocular

Visual Aculty - Restricted:

 Visual Aculty - Restricted:
 Visual Aculty - Restricted:
 Visual Aculty - Restricted:

based Aculty - Full Deriving Privileges: • 20/40 OU or in the better eye, with without corrective lens-

20/60 in at least one eve, with without corre Visual Actuity - Restricted

Visual Actuity - Restricted

bind lausid

Visual Field

ANDERSKINGS TO

Visual Redd:

parmbar 10N .

• 20/50 OU with corrective lense best Field:

basal Acasity - Fall Dinving Privileges • 20/30 - 20/40 OU without corrective lenses

140, roral temporal field benocular

• >1 10" honzontol Visual Acmity - Restricted

(s) external aurrors as both right and left ades that reflect

only on highways that are not lumited access.

d) only on a motor wance with an automotor duramis-

b) connective letters and and under references letters.

סולפו אוונצת

he following tensenboris. It is his before sururse. It's his daylight derving arm = 1.2 his before sururse. It's his

## Cardudated bearings are afferted which contains one or more

Applicant will perform on on-the-rood driving like incorporate and Other Restrictions:

## DRIVER'S LICENSE VISUAL STANDARDS **PDDENDIX** 4

- · If potential to detenorate, yearly review by medical adviyory board
- <140" but >110" with potential for correction = may be

granted a restricted license.
isual Acusty - Restricted:

• 20-40 in best eye but with history of glaucoma, diabetic reanopathy, or other ocular pathology = need yearly review by medical advisory board.

20.50 in best eye = daylight driving only.
20.60 in best eye = daylight driving only and operation within 25 mile radius of residence.

### MARYLAND

Visual Acuity - Full Driving Privileges:
• 20-40 OU with/without corrective lenses.
Visual Field:

· 140 \* horizontal

Visual Acuity - Restricted:

- "Night Blindness" vision less than 20/40 OU but at least 20/70 in one eye, and 20/40 in the other eye = daylight driving only
- 20/40 one eye and blind other eye = bilateral outside
- Totally blind one eye, vision less than 20/40 but better than 20/70 other eye = daylight driving only.
- Must have had acceptable level of vision for 90 days prior to licensing.
- Bioptic lenses are acceptable if applicant has 20/40 in one or both eyes without field expanders.

### **MASSACHUSETTS**

Visual Acuity - Full Driving Privileges:
• 20/40 OU or in the better eye, with/without corrective lens-

Visual Field:

120° horizontal

Visual Acuity - Restricted

- (ISBAII ACIAITY RESTricted Vision worse than 20/40-20/70 in either eye and horizon-tal visual field of at least 120° = daylight driving only. At least 20/40 through a bioptic telescope, 20/100 through carrier lens for the bioptic telescope, 20/100 through other lens (lens without the bioptic telescope), and at least 120° has mental unaut facility and the bioptic telescope), and at least 120° has mental unaut facility and the bioptic telescope).
- horizontal visual field = daylight driving only.

   A road test can be taken at night to lift daylight only restriction, if individual feels restriction is unjustified.

### MICHIGAN

- Visual Acuity Full Driving Privileges:
   20/40 OU or each eye separately with/without corrective
- Also, vision worse than 20/40 but including 20/50 with 140-110° peripheral visual field with statement from eye Care specialist.

driving test. Visual Acuity - Restricted:

- Vision worse than 20/50 but better than 20/60 with recognuzable progressive abnormalities affecting vision = day light driving only.
- ingin cirrying only.

  Vision worse than 20/50 but better than 20/70 with no recognizable progressive abnormalities affecting vision = daytight driving only. Also, a road test is recommended.

  Must have at least 20/100 in one eye and better than 20/50 in the other eye to be licensed.

  Telescopic lenses permitted with statement of eye care specialist if a road test is passed.

Other Restrictions:

ogressive abnormalities such as cataracts, glaucoma, retiritis pigmentosa, senile macular degeneration, or a malignancy warrant close attention and require annual

## **MINNESOTA**

al Acuity - Full Driving Privileges:

20/40 OU or in the better eye, with/without corrective lens-

- · Honzontal visual field are not checked but if found to be deficient by the eye care specialist, license will be denied. Visual Acuity - Restricted:
- 20/50 = restricted to speeds no greater than 55 miles per
- 20/60 = restricted to speeds no greater than 50 miles per
- . 20,70 = restricted to speeds no greater than 45 miles per
- 20/80 to 20/100 = chief evaluator can issue license with the restrictions which are necessary to ensure that the applicant does not pose an unreasonable risk to himself or

### MISSISSIPPI

Visual Acuity - Full Driving Privileges:
• 20/40 OU with/without corrective lenses.

- Dual Field:
- Not required.

  Visual Acuity Restricted:
- . If 20/40 in one eye and blind in the other = outside rearview murror.
- . Vision worse than 20/50 in one eye. 20/60 to permanently blind other eve, with/without corrective lenses = daylight

- Color vision deficiency, standard red, green, and amber = advise applicant.
- Depth perception deficiency = speeds not exceeding 45 mph.
- Vision worse than 20/70 OU with/without corrective lenses = license denied.

Visual Acuity - Full Driving Privileges:
• 20/40 OU or in the better eye, with/without corrective lens-

Visual Field:

- 55°OU or at least 85° in one eye if the other eye is <55° = unrestricted license
- · 85° in OD, unknown in the left = left outside rearview mir-
- 85° in OS and unknown in right = right outside rearview
- 50° OU = daylight driving only, speeds not exceeding 45 mph, and right and left outside rearview mirrors are
- 50° OS, 70° OD = daylight driving only, 45 mph, and outside left rearview mirror.

  80° OS, 50° OD = daylight driving only, 45 mph, and out-
- side right rearview murror
- Combined horizontal visual field must be at least 70°, oth-

erwise, license is denied. Visual Acuity - Restricted:

 Vision worse than 20/40 but better than 20/60 = daylight driving only

 20/60-20/74 = daylight driving and restricted to speeds of no more than 45 mph

 Vision worse than 20/74 but better than 20/161 = needs a road test with examiner to obtain a restricted driver's license. Restrictions would be daylight driving and not to exceed speeds of 45 mph, plus any other restrictions examiners deem appropriate.

Visual Acuity - Full Driving Privileges:
• 20/40 OU or in the better eye, with/without corrective lens

Visual Field:

- 60-90° horizontal.

  Visual Acuity Restricted:
- If one eye is worse than 20/40 = left outside rearview mir-
- Vision worse than 20/40 = road test before restrictions of daylight driving, speed limit, and inclement weather are
- given.

   20/40-20/50 OU or either eye = left outside rearview mir
- 20/70-20/100 = may request special investigation on need/hardship basis. May test drive in area only to meet persons needs, i.e., to the grocery store, church, medical needs. License good only to meet special needs.

## NEBRASKA

- Visual Acuity Full Driving Privileges:
   20/40 OU or at least 20/40 OD and 20/40-20/60 OS)
- For monocular licensing, the vision must be at least 20/50 with/without corrective lenses.

  Visual Field:

- 140° horizontal = no restrictions.
   120° -139° = night and left outside rearview mirrors.
- 100°-119° = right and left outside rearview mirrors, must operate vehicle within a specified geographic area or designated roadway, daylight driving only and specified eed limitation

<100° = license denied.

- Visual Acuity Restricted:

   20/70 OU or 20/70 in one eye and not blind in the other eye = right and left outside rearview mirrors, daylight dri-ving only and under specified speed limitations.

  Other Restrictions:
- Graduated licenses are offered which contain one or more
  - of the following limitations:

    a) Must wear spectacle lenses (glasses), contact lenses, or bioptic or telescopic lenses.
  - Must have right and left outside mirrors on any vehi de driven.
- c) Must have automatic turn indicators on any vehicle within a specified geographic area or designated road-
- d) Must operate a vehicle only during daylight hours; that is, between sunrise and sunset
- Must not operate a motor vehicle on any pubic streets marked for one-way traffic or marked for more than one lane of traffic in each direction.
- Must drive vehicles equipped with specified controls for operating the steering, brakes and/or speed functions of the vehicle only. Must operate a vehicle analy with specified speed limi-
- totions Must not operate a vehicle on any divided arterial highway designed primarily for through traffic with
- full control of access i) Special: as specified by the Department.

NEVADA Visual Acuity - Full Driving Privileges:

- Visual Acusty Restricted:

  - 20/40-20/\*0 = daylight driving only
    in the case of progressive abnormalities or diseases of the
    - 30.40 = unrestricted license 2)
      - 30-40-30/60 = daylight driving only.
    - vision less than 20/60 = no license issued.
    - one eve worse than 20/100, and the other eye is at least 20/50 = daylight driving only.

### NEW HAMPSHIRE

Visual Acuity -- Full Driving Privileges

- · 20/40 OU with without corrective lenses.
- 20/30 monocular with/without corrective lenses.
- Visual Field: of required

Visual Acuity - Restricted:

Restriction of daylight driving only may be recommended by eye care specialist and placed by DOT on license issued

### **NEW JERSEY**

Visual Acuity - Full Driving Privileges:

- . 20/50 OU or in the better eye, with/without corrective lens.
- Must pass a color vision test (able to distinguish between red, amber and green as used on Official Traffic Control Devices).
- Must sansfactorily complete a practical driving test. Visual Field:
- None required.

  Visual Acuity Restricted:
- No restricted licenses issued.

## **NEW MEXICO**

Visual Acuity - Full Driving Privileges:
• 20/40 OU or in the better eye, with/without corrective lens-

Vigual Field

Not required.

Visual Acuity - Restricted:

- Vision at least 20/80 = medical advisory board will determine limitations such as daylight driving only, speed restrictions, area, and no highway driving with yearly
- renewal review.

   All drivers 75 years or older are issued one year licenses.

   Plan to draft written standards later in 1995.

## **NEW YORK**

- Visual Acuity Full Driving Privileges:
   20/40 OU or in the better eye, with/without corrective lens-
- 20/40-20/70 OU with/without corrective lenses with state
  - ment from eye care specialist stating: a) whether or not visual condition is deteriorating. b) recommendations for driving restrictions.
- ci vision exam recommendations every 6-12 months. · 20/40 with relescopic lenses and 20/100 OU through the
  - carner lenses with statement from eye care specialist including the above statements and the following:

    a) Derver has been fitted for and worn telescopic lenses for at least 60 days.
  - Person has received training on how to use the telescopic lenses, including a road test with the

telescopic lenses

- Visual Field: · 140° horizontal (without the use of expanders in the case
- of telescopic lenses with corriers).

  Visual Acuity Restricted:

   Eye care specialists will make individual recommendations for qualifications and limitations determined on a case by case basis.

**NORTH CAROLINA** 

- Visual Acuity Full Driving Privileges:
   20/40 OU and in each eye separately without corrective
- 20/50 OU with corrective lenses.
- 20/29 or better monocular without corrective lenses.
   At least 20:40 monocular with corrective lenses.
- Visual Field: 30" on each side of a central fixation point peripheral hor-izontal field both eyes open without glasses = unrestricted
- · <70° penpheral field = refer for medical evaluation.</p>

   Visual Acuity Bestricted:
   20/67 OU with corrective lenses = no speeds greater than
- 45 mph. 20/100 OU with corrective lenses = no speeds greater than 45 mph, daylight driving only, and other restrictions
- examiner feels necessary.

  20/50 monocular with corrective lenses = no speeds greater than 4.5 mph.

  • 20/67 monocular with corrective lenses = no speeds
  - greater than 45 mph, daylight driving only, and other restrictions examiner feels necessary.

### **NORTH DAKOTA**

Visual Acuity - Full Driving Privileges: 20/40 OU with/without corrective lenses.

140° binocular horizontal visual field = no restrictions.

30 monocular with/without corrective lenses = outside

2):50 each eve with/without corrective lenses = daylight driving only and recommendations from eye care special-

· 20/50 better eye. 20/60 or less other eye with/without corrective lenses = daylight driving only, recommendations from eve care specialist and vision recheck within two

 20/60 better eye. 20/60 or less other eye with/without corrective lenses = daylight driving only, recommendations from eve care specialist, vision recheck within two years.

20/60 better eve. 20/70 or less other eye with/without cor-

rective lenses = daylight driving only, recommendations from eve care specialist, vision recheck within one year.

 Vision worse than 20/60 OU but better than 20/70 OU with without corrective lenses = daylight driving only, recommendations from eye care specialist, vision recheck within one year, must perform road test with examiner,

witum one year, must perform road test with examiner, report any eye disease or injury.

20/70 or 20/80 better eye, 20/80 - 20/100 other eye with without corrective lenses = daylight driving only, recommendations from eye care specialist, vision recheck within one year, perform road test with examiner, report any eve disease or injury, alare resistance and glare recovery ability (for daylight driving only).

Visual Acuity - Full Driving Privileges:
• 20/40 OU or 20/30 monocular, with/without corrective

At least 70° temporal in each eye = unrestricted license.
 <70° temporal in both eyes, but at least 70° temporal and</li>

45° nasal in the best eye (monocular vision) = right or left outside and inside rearview mirror and referred to eye care specialist for horizontal field test results.

20/50-20/70 OU with/without corrective lenses = daylight

driving only.

• 20/40-20/60 monocular with/without corrective lenses = daylight driving only.

on worse than 20/70 OU with/without corrective lenses ense denied

on worse than 20/60 monocular, with/without corrective lenses = license denied.

Will allow bioptic lenses under medical restriction that pplicant is under the supervision of an eye care specialist d meets the minimum state requirements for licensing.

### OKLAHOMA

Visual Acuity - Full Driving Privileges:
• 20/40 OU or in the better eye (OS must be at least 20/30). with without corrective lenses

 Must have 20/30 in one eye if other eye is 20/200 or worse. 20/60 OU or 20/50 in one eye with/without corrective lenses after seeing a vision specialist.

Not required.
Visual Acusty - Restricted:
2 20/40 OD and corrective lenses will correct vision to 20/70
OS = must have left outside rearview mirror if glasses are not worn or can just wear corrective lenses and no restrictive lenses and no restrictive lenses and no restrictive lenses.

tion is placed.
20/40 OD and 20/100 OS = must have left outside 20/30 OD and corrective lenses will correct vision to 20/70

OS = must have left outside rearview muttor if glasses are not worn or can just wear corrective lenses and no restric-20/30 OO and 20-200 OS = must have left outside

regress mirror . 20/50 OD and 20/100 or worse OS = must have left outside receiview murror

Telescopic lenses are not allowed unless the individual meets the minimum visual standard with the carrier lens.

### OREGON

Visual Acuity - Pull Driving Privileges:

• 20/40 OU or in the better eye, with/without corrective lens

Visual Pickt:

\*>110" honzontal
 \*>110" honzontal
Visual Acusty - Restricted:
 Vision worse than 20/40 but better than 20/70 in the bet-

## PENNSYLVANIA

Visual Acuity - Full Driving Privileges:

\* 7 OU or in the better eye, with/without corrective lens-

Visna 140° horizontal.

Visual Acusty - Restricted:

20/40 monocular = must have outside rearview mirrors east 20:70 with best correction = daylight driving only. ast 20/100 with best correction = daylight driving y, pass a complete visual exam including visual field test annually and driver's exam. Driver will be limited to roads other than freeways, driving vehicles weighing no more than 10,000 pounds, no motorcycles, driving within a predetermined area by the DOT, with annual review of

Visual Field-

 Not required
 Visual Acuity - Restricted: No restricted licenses issued.

## SOUTH CAROLINA

Visual Acuity - Full Driving Privileges:

20/40 OU or in the better eye, with/without glasses.

At least 20.70 OU with glasses and statement from vision specialist. Also, if good eye is at least 20/70, the worse eye must be 20/200 or better. If the worse eye is less than 20.200, the better eye must be at least 20/40 for an unrestricted license.

Telescopic/bioptic lenses are acceptable as long as visual standards are met through the carrier lens.

Visual Field

 Not required Visual Acuity - Restricted:

Qualified drivers but blind in OS = left outside mirror.

 Depending on recommendations from an eye care specialist, the medical advisory board will determine limitations as to speed, area, daylight only and interstate driving for drivers without standard visual acuity. There is no state code, just a department policy that is followed.

### SOUTH DAKOTA

Visual Acuity - Full Driving Privileges:

20/40 OU but no worse than 20/50 in either eye with/without corrective lenses.

Visual Reid

Not required.
 Visual Acuity - Restricted:

20/40 OS and 20:70 OD with/without correction = left outside recrysew mirror.

20/60 OU with without corrective lenses = restrictions from eye care specialist may include: daylight driving only, no driving outside the city limits, left outside rearview mirror, and not to exceed a 50 mile radius of residence.

### TENNESSEE

Visual Acuity - Full Driving Privileges:
• 20/40 OU or in the better eye, with/without corrective lens-

With a completed form from an eye care specialist. 20/60
OU or each eye separately with/without corrective lenses.
 Visual Field:

Not required.

Normal Acuity - Restricted:
20:40 in one eye and 20:60 to blind in the other eye with without corrective lenses = both outside rearview mir-

Telescopic lenses are acceptable when procedures for qual-ifications of low vision guidelines are followed. Low vision restrictions as deemed necessary by board may include:

a) daylight driving only.

maximum speeds of 50 mph,

carried recryiew mirrors (right and left).

d) certain area and time restrictions, and

e) no interstate driving.

### TEXAS

Visual Acuity - Full Driving Privileges:

20/40 OU without corrective lenses.

 20/50 OU or with best eye (any score other eye) with cor-20/25 monocular without corrective lenses

Color blindness is checked on all original applications.
 Visual Field:

Not required.
 Not required.
 20/60-20/70 with corrective lenses = daylight driving only,
 45 mph speed limit, and any other advisable restriction.
 Vision less than 20/25 monocular without corrective lenses.

es = refer to eye care specialist.

## UTAH

Visual Acusty - Full Driving Privileges:

• 20/40 OU or in the better eye, with/without corrective lens-

ual Field

 At least 120° horizontal and 20° vertical, above and below fixation, in each eye.

• <0° total OU = no license issued.

Visual Acuity - Restricted:

20/50-20/70 in the better eye and visual field of at least 120° for both eyes, stable path@logy = speed limitations with license renewal as recommended by eye care special-

20/50-20 70 in the better eve and visual field of at least 120° for both eyes, unstable pathology = speed and area limitations with annual review for license renewal.

20/80-20/100 in the better eye and visual field of at least 90° for both eyes, stable pathology = speed, area and time of day restrictions as recommended by eye care specialist and approval by the medical advisory board with annual review for license renewal.

20/80-20/100 in the better eye and visual field of at least

90° for both eves, unstable pathology = speed, area and time of day restrictions as recommended by eye care spe calist and approval by the medical advisory board with review for license renewal every six months.

 Telescopic lenses are not permitted. VERMONT

No restricted licenses issued.

### VIRGINIA

Visual Acuity - Full Driving Privileges:
• 20'40 OU or in the better eye, with/without corrective lens-

### Visual Field

vision = daylight driving only Visual Acuity - Restricted:

· 20/70 OL or in the better eye = daylight driving only.

Bioptic telescopic lenses acceptable with special visual requirements. Recommendations from an eye care specialist will be evaluated by the medical review department to determine if license is issued.

### WASHINGTON

Visual Acuity - Full Driving Privileges:
• 20/40 OU or in the better eye, with/without corrective lens-

es. Visual Field:

<110" total honzontal = applicant must have a reexami-</p> attor. Re-examination includes screening vision, driving knowledge, and a road test. If able to compensate for visual field loss and pass all three tests, license will be issued with restriction of bilateral outside rearview mirrors.

Visual Acuity - Restricted: · Vision worse than 20.90 = needs special examination to determine unitations and restrictions. Special examina-tion = applicant meets with highly qualified personnel to determine driving need. State will allow restricted licenses, such as daylight driving, limit of area and/or speed, and equipment (mirrors) depending on applicants' driving per-formance. A medical section uses department guidelines, but evaluates every individual on a case by case basis.

Everyone is given a chance to prove their abilities. WEST VIRGINIA

Visual Acuity - Full Driving Privileges:
• 20/40 OU or in the better eye, with/without corrective lens-

es. Visual Field:

Not required.
Visual Acuity - Restricted:
20/50 OU or in one eye with/without corrective lenses = daylight driving only

## WISCONSIN

Visual Acuity - Full Driving Privileges:
• 20/40 in each eye with/without corrective lenses.
Visual Field:

 >70° = unrestricted license. <70° from center in one eye temporal and >70° from center in the other eye = restricted to outside rearview mirror.

Right outside rearview mirror restriction may be waived based on a successful driving demonstration.

«70° OU honzontal temporal = referred to eye care special-

ist for exam and advisory recommendations. Restrictions will be an outside receive mirror and possibly driving during daylight hours only or in a limited area. These additional restrictions may be waived based on a driving demonstration or from the recommendation of the eve care specialist. The applicant must complete a driving

evaluation.
ual Acuity - Restricted:

• Vision worse than 20-40 OU but at least 20/60 in one eye = referred to eye care specialist for exam and advisory rec-ommendations. Restrictions of daylight driving only or

driving in a limited area may be assigned.

Vision worse than 20/60 in one eye but better than 20/100 in the other eye = referred to eye care specialist for exam and advisory recommendations. Restrictions of daylight hours or driving in a limited area may be assigned. The

applicant must complete a driving evaluation.

Special restricted operator's license for visions between 20/100 and 20/200 (but not including 20/200 in the better corrected eve) = daylight driving only. Additional restri tions may also be applied.

### WYOMING

Visual Acuity - Full Driving Privileges:
• 20/40 OU with/without corrective lenses. Visual Field:

>120° combined horizontal
 Visual Acuity - Restricted:

· 20/40 better eye, but worse than 20/40 other eye with/without correction or monocular = outside rearvie

Milrors.

Vision worse than 20°40 OU with best possible correction = restrictions of daylight driving only, speed and area may be imposed as deemed necessary.

Vision worse than 20°100 OU with/without corrective lens-

= license denied. Vision worse than 20/100 in the carrier lenses of a person

wearing bioptic, telescopic or other low vision aid built or attached to regular glasses = license denied. Compiled from individual state Department of Transportation documents of standards, policies regulations, and personal

communications/conversations with medical board members and licensing personnel from all 50 states and the District of

## APPENDIX 5 VISUAL STATEMENT



varne					
Name		٠, ,			
lome Phone ( )		Vork	Pho	ne (	)
n regards to the request to resume so xamination from my Ophthalmologist ddressing the following visual areas	or Low	Visio	n Sp	ecialist n	
We are unable to perform the pre-screatisfactory statement of examination our Ophthalmologist or Low Vision Subsequent on-the-road evaluation.  iagnosis:	If state pecialist	requ befo	iren re pi	ents are	not met, a waiver must be grante
	Right	Let	ft	Both	Comments
Corrected Visual Acuity					
Visual Fields					
Peripheral Vision					
			_		
Saccades			- 1		
Range of Motion					
Range of Motion	Intact		Im	paired	Comments
Range of Motion	Intact	-	Im	paired	Comments
Range of Motion		-	Im	paired	Comments
Range of Motion  Color Vision	i din s	:	lm	paired	Comments
Range of Motion  Color Vision  Night Vision/Glare Recovery	i din s			paired	Comments
Range of Motion  Color Vision  Night Vision/Glare Recovery	- 30 s				Comments
Range of Motion  Color Vision  Night Vision/Glare Recovery  Depth Perception	- 30 s				Comments
Range of Motion  Color Vision  Night Vision/Glare Recovery  Depth Perception	- 30 s			esent	n name (print or type)

## APPENDIX 6 PHYSICIAN'S STATEMENT

## EXAMPLE 1



Rehabilitation Services at Beaumont

<b>D</b> .	-		
Driver	Reha	bilitation	Referral

lame	4 1x		Date of Birth	
ddress				
ome Telephone ( )		/ork Telephone (	) -	
Referral Source	****			
river's License yesno	if yes license #		Exp. Date	
lease indicate the physician to wh	-			
e (Print or Type)			M.D. or D.O.	
ddress			ohone ( )	
rrent Diagnosis			nset Date	•
_dical History	• :	1		
) Epilepsy				
) Narcolepsy	1.5			
) Substance Abuse: has a period of	abstinence or contr	ol been establishe	d?	
) Cerebral Vascular Disease				
) Cerebral Insufficiency				
) Traumatic Brain Injury				
Tumor (Location)				
) Psychiatric Disorder Diagnosis	:			_
Learning Disability	a gi ti is ta a			
Neuromuscular Disease:Diagnosis				
Progressive Neurological Disease:	Diagnosis			
Diabetes or other Metabolic Disord	or \			
Hypertension			-	
Peripheral Vascular Disease				
Other				
Outer			71.0	
s patient had a seizure or "episod	e" (as defined by MI S	tate law) within las	t 6 months? No Yes	s_
lode" condition which causes or contributes to any of the it clousness a condition which causes or contributes to an in	bilibuing; a lapse of conscious? Tomirment of an individual's driv	ess, blackout, seizure, fairfun ring judgment or reaction time	g speil, syncope, other impairment of t or affects an individual's ability to safe	ne io
Y Yenicle.				, .,
rrent medication and dosage:				
				-
recommend any driving restriction	ons? Please specif	y:		
~.				



 MARY FREE BED HOSPITAL AND REHABILITATION CENTER 235 WEALTHY STREET, SE GRAND RAPIDS MI 49503-5299

## PHYSICIAN'S STATEMENT OF EXAMINATION

## STRUCTIONS FOR DRIVER/APPLICANT:

e Department of State has received information that you may be afflicted with a physical or mental condition that may set your ability to safely operate a motor vehicle. Please have your physician complete this form. The completed form ist be returned to the above address. It cannot be processed at a local licensing bureau.

EASE NOTE: The Department of State may withhold licensing pending receipt and evaluation of this form. Unsigned or emplete forms will be returned for completion. Highlighted areas must be completed for statement to be processed.

		( RELEA	SE OF INFORMATION
please Print	or type)	•	*
eby authoriz	e and request the	t information reg	arding my physical and psychological condition be released to the
chigan Depa	rtment of State.	-	o , i , i a se p , i a
Signature			D.1500
-Comment C			DATED
-			DATED
	,:		Date of Birth
Seed .	State	Zip	

## NSTRUCTIONS FOR PHYSICIAN:

he Department of State asks your assistance in determining the physical and/or mental condition of your patient. Your rofessional opinion, the answers to these questions and any other pertinent information will help the Department assess as individual's ability to safely operate a motor vehicle. Information may be mailed directly to the Department at the address hown in the instructions to Driver above.

Hease type or print your answers and attach EG or EKG evaluations if applicable. You need only fill out the section(s) indicated or pertinent to this person.

(	)	Neurological or Neuromuscular Diseases - page 2
1	)	Other Medical Disorders - page 3 & 4
(	)	Drugs and Alcohol - page 4
(	)	Psychological Evaluation - page 5
(	x)	Comments - page 6

certil ion by physician's signature is required on page 6.

	,	FOR DEPARTMENT USE ONLY	
(	Favorable ( ) set up _		
)	Must Pass	-	test.
)	Unfavorable	( ) Questionable	

## NEUROLOGICAL AND NEUROMUSCULAR DISEASE

I. DISEASE CAUSING LOSS OR IMPAIRMENT OF CONSCIOUSNESS OR CONFUSION

	Epilepsy - Type:
	Narcolepsy
	Alcoholism - Also complete Alcohol and Drug Section on page 4
	Cerebral Vascular Disease-Also complete Atherosclerosis/Heart Disease: Section page 3
	Cerebral Insufficiency-Also complete Atherosclerosis/Heart Disease: Section page 3
	Vasovagal Syncope
	Other (Open & closed head injuries, craniotomies, etc.)
	Age at onset of illness:
	Has patient reported seizure or attack within last 6 months? NoYes 12 months? NoYes
	(i) Date of last episode:
	(ii) Frequency of seizures or attacks:
	Current medication and dosage:
	Has patient had any adverse or other reaction to treatment or medication? If yes, please explain:
	OTHER LIMITING OR PROGRESSIVE NEUROLOGICAL OR NEUROMUSCULAR DISEASES, (CEREBRAI PALSY, PARAPLEGIA, MUSCULAR DYSTROPHY, PARKINSONISM, MULTIPLE SCLEROSIS, ETC.)
;	Specific diagnosis:
,	Age at onset of illness:
1	Please describe patient's neurological or neuromuscular condition. Is the condition likely to change in the future?
	Current medication and dosage:
	S the patient's condition or disease adequately controlled with medication?

## OTHER MEDICAL DISORDERS

<del>7</del>					
*Type #1	_Type #2		Age at onset		
!r.Julin Injections: No	Ye	s	Strength .	Freque	ency
Does Patient follow diet	instructions?	No	Yes	Comm	ents
Is the patient responsible	e in the manage	ement of t	he disease?	No	Yes
Reaction episodes - thos	se causing loss	of or imp	airment of level	of consciousness	<b>:</b> :
Hypoglycemic	•				
Hyperglycemic					
Renal Disease					
Was the episode unusua Please explain			? No	Yes	
Date of last episode				***************************************	
Symptoms:					
Impairment of level of c	onsciousness		Yes _		
Loss of Motor Skills			Yes _		
Loss of Judgment			Yes _		
Required Assistance fro			Yes _		
Difficulty Recalling the			Yes _		
medication or dosage?	abilized? cal certainty tha	No at the last Yes	-	le resulted from a	medically supervised chan
las patient's condition st Is there reasonable media	abilized? cal certainty tha	No at the last Yes	reaction episod	le resulted from a	
las patient's condition st Is there reasonable medication or dosage? Please explain  Date of last blood glucose	abilized? cal certainty tha No	No at the last Yes _ Blood G	reaction episod	le resulted from a	ncy of tests:
las patient's condition st Is there reasonable medication or dosage? Please explain	abilized? cal certainty tha No	No at the last Yes _ Blood G	reaction episod	le resulted from a	ncy of tests:
las patient's condition st Is there reasonable medication or dosage? Please explain  Date of last blood glucose Vision Problems No  HEROSCLEROSIS/HEAF Diagnosis:	cabilized? cal certainty the No e test:Yes RT DISEASE se: No	Noat the lastYes	Glucose level:	Frequer eon of disease, i.e.,	ncy of tests:
las patient's condition st Is there reasonable medication or dosage? Please explain  Date of last blood glucose Vision Problems No  HEROSCLEROSIS/HEAF Diagnosis: Peripheral vascular diseas disability:	cabilized? cal certainty the No e test:Yes RT DISEASE se: No	Noat the lastYes	reaction episod	Frequer eon of disease, i.e.,	ncy of tests:
las patient's condition st Is there reasonable medic medication or dosage? Please explain  Date of last blood glucose Vision Problems No  HEROSCLEROSIS/HEAF Diagnosis: Peripheral vascular disea	cabilized? cal certainty the No e test:Yes RT DISEASE se: No e: No	Noat the lastYes	reaction episod  Glucose level: Please describ  Locatio	Frequer eon of disease, i.e.,	ncy of tests:
las patient's condition st Is there reasonable medication or dosage? Please explain  Date of last blood glucose Vision Problems No  HEROSCLEROSIS/HEAF Diagnosis: Peripheral vascular disease disability:  Cerebral vascular disease	cabilized? cal certainty that No e test:Yes  RT DISEASE se: No e: No e: No	Noat the lastYes	reaction episod  Glucose level: Please describ  Location  Yes Yes	Frequer e	arms, legs, etc,. and exter
las patient's condition st Is there reasonable medic medication or dosage? Please explain  Date of last blood glucose Vision Problems No  HEROSCLEROSIS/HEAF Diagnosis: Peripheral vascular disease disability:  Cerebral vascular disease Coronary vascular disease	e test:Yes  RT DISEASE  se: No e: No e: No No	No at the last _Yes Blood G	reaction episod  Glucose level: Please describ  Location  Yes Yes	Frequency	ncy of tests:
las patient's condition st Is there reasonable medic medication or dosage? Please explain  Date of last blood glucose Vision Problems No  HEROSCLEROSIS/HEAF Diagnosis: Peripheral vascular disease disability:  Cerebral vascular disease Coronary vascular disease Angina:	cabilized? cal certainty that No e test:Yes RT DISEASE se: No e: No e: No No No	Noat the lastYes	reaction episod  Glucose level: Please describ  Location  Yes Yes Yes Yes	Frequency	arms, legs, etc,. and exter
las patient's condition st Is there reasonable medication or dosage? Please explain  Date of last blood glucose Vision Problems No  HEROSCLEROSIS/HEAF Diagnosis: Peripheral vascular disease disability: Cerebral vascular disease Coronary vascular disease Angina: During Driving	e test:Yes e: No e: No e: No e: No No No No No	Noat the lastYes	reaction episod  Glucose level: Please describ  Location  Yes Yes Yes Yes Yes Yes Yes	Frequency	arms, legs, etc,. and exter  Date of Onset r Confusion: No Ye
las patient's condition st Is there reasonable medic medication or dosage? Please explain  Date of last blood glucose Vision Problems No  HEROSCLEROSIS/HEAF Diagnosis: Peripheral vascular disease disability:  Cerebral vascular disease Coronary vascular disease Angina: During Driving Dyspnea:	e test: estest: Yes  RT DISEASE  se: No e: No	Noat the lastYes	reaction episod  Glucose level: Please describ  Location  Yes	Frequency  Near Syncope of Frequency	arms, legs, etc,. and exter
las patient's condition st Is there reasonable medic medication or dosage? Please explain  Date of last blood glucose Vision Problems No  HEROSCLEROSIS/HEAF Diagnosis: Peripheral vascular disease disability: Cerebral vascular disease Coronary vascular disease Angina: During Driving Dyspnea: Syncope:	abilized? cal certainty that No e test:Yes  RT DISEASE se: No e: No	Noat the lastYes	reaction episod  Alucose level: Please describ  Location  Yes	Frequency  Near Syncope of Frequency  Frequency  Frequency  Frequency	arms, legs, etc,. and exter  Date of Onset r Confusion: No Ye
las patient's condition st Is there reasonable medic medication or dosage? Please explain  Date of last blood glucose Vision Problems No  HEROSCLEROSIS/HEAF Diagnosis: Peripheral vascular disease disability: Cerebral vascular disease Coronary vascular disease Angina: During Driving Dyspnea: Syncope: Arrhythmia:	e test: es: No es: No es: No es: No	Noat the lastYes	reaction episod  Glucose level: Please describ  Locatio  Yes	Frequency Near Syncope of Frequency Frequency Dates	arms, legs, etc,. and exter  Date of Onset  r Confusion: NoYe
las patient's condition st Is there reasonable medic medication or dosage? Please explain  Date of last blood glucose Vision Problems No  HEROSCLEROSIS/HEAF Diagnosis: Peripheral vascular disease disability:  Cerebral vascular disease Coronary vascular disease Angina: During Driving Dyspnea: Syncope:  Arrhythmia: Infarction:	e test: es: No es: No es: No es: No	Noat the lastYes	reaction episod  Glucose level: Please describ  Locatio  Yes	Frequency  Near Syncope of Frequency  Frequency  Frequency  Frequency  Frequency  Near Syncope of Frequency	arms, legs, etc,. and exter  Date of Onset  r Confusion: No Ye
las patient's condition st Is there reasonable medic medication or dosage? Please explain  Date of last blood glucose Vision Problems No  HEROSCLEROSIS/HEAF Diagnosis: Peripheral vascular disease disability:  Cerebral vascular disease Coronary vascular disease Coronary vascular disease Angina: During Driving Dyspnea: Syncope:  Arrhythmia: Infarction: 'ongestive Failure:	abilized? cal certainty that No e test:Yes er No e: No e: No	Noat the lastYes	reaction episod  Alucose level: Please describ  Location  Yes	Frequency  Near Syncope of Frequency  Frequency  Frequency  Dates  Ever: No	arms, legs, etc,. and exter  Date of Onset  r Confusion: No Ye

# OTHER MEDICAL DISORDERS (con't)

	Has patient had any adverse or other reaction to medication or treatment for condition?  If yes, please explain:
	Has patient reached maximum recovery period? If no, expected date: Functional Classification:
	Therapeutic Classification: A B C D E
	Is the above condition medically treatable?
	Please describe how this condition may affect the patient's ability to drive safely.
	GENERAL MEDICAL CONDITONS (conditions not covered in other sections)
	Diagnosis
	Current medication and dosage:
	Has the patient had any adverse or other reaction to treatment or medication? NoYes
	DRUGS AND ALCOHOL
	DRUGS AND ALCOHOL  Does the patient have any clinical evidence or do you have personal knowledge of patient's addiction to hab to drugs, alcohol or tranquilizers?  No Yes  Indicate drug and duration of addiction, etc.:
-	Does the patient have any clinical evidence or do you have personal knowledge of patient's addiction to hab to drugs, alcohol or tranquilizers?  No Yes  Indicate drug and duration of addiction, etc.:  Has patient been subject to residential treatment or hospitalization for this condition? No Yes
The same of the sa	Does the patient have any clinical evidence or do you have personal knowledge of patient's addiction to hab to drugs, alcohol or tranquilizers?  No Yes Indicate drug and duration of addiction, etc.:  Has patient been subject to residential treatment or hospitalization for this condition? No Yes  Dates of treatment or hospitalization:
County Appeals to the Party of	Does the patient have any clinical evidence or do you have personal knowledge of patient's addiction to hab to drugs, alcohol or tranquilizers? No Yes Indicate drug and duration of addiction, etc.: Has patient been subject to residential treatment or hospitalization for this condition? No Yes Dates of treatment or hospitalization: Yes Where? Has patient currently under therapy? No Yes Where?
The same of the sa	Does the patient have any clinical evidence or do you have personal knowledge of patient's addiction to hab to drugs, alcohol or tranquilizers?  NoYes
The same of the sa	Does the patient have any clinical evidence or do you have personal knowledge of patient's addiction to hab to drugs, alcohol or tranquilizers?  No Yes Indicate drug and duration of addiction, etc.:  Has patient been subject to residential treatment or hospitalization for this condition? No Yes  Dates of treatment or hospitalization: Yes Where?  Is patient currently under therapy? No Yes Where?  Duration and frequency of therapy: sthere evidence of physical complications from alcohol or drug abuse: No Yes  Please explain:
	Does the patient have any clinical evidence or do you have personal knowledge of patient's addiction to hab to drugs, alcohol or tranquilizers?  NoYes
	Does the patient have any clinical evidence or do you have personal knowledge of patient's addiction to hab to drugs, alcohol or tranquilizers? No Yes
	Does the patient have any clinical evidence or do you have personal knowledge of patient's addiction to hab to drugs, alcohol or tranquilizers? No Yes
	Does the patient have any clinical evidence or do you have personal knowledge of patient's addiction to hab to drugs, alcohol or tranquilizers? No
	Does the patient have any clinical evidence or do you have personal knowledge of patient's addiction to hab to drugs, alcohol or tranquilizers? No
	Does the patient have any clinical evidence or do you have personal knowledge of patient's addiction to hab to drugs, alcohol or tranquilizers? No

# PSYCHOLOGICAL EVALUATION

	ns are present? (Please Check)	
( ) Anxiety	( ) Paranoid ideation	( ) Hallucinations
( ) Depression	( ) Suicidal Impulses	<ul><li>( ) Impairment of judgment</li></ul>
( ) Euphoria	( ) Homicidal impulses	( ) Poor Memory
( ) Poorly controlled anger	( ) Insomnia	( ) Mental retardation
( ) Bizarre behavior	( ) Delusions	( ) Senility or Dementia
( ) Other		
Please amplify on any of the ab	ove or other disorders. Include appr	oximate duration of illness, severity of
treatment and prognosis:		
Current mediaction and decree		
Current medication and dosage		
Any adverse or other reactions t	to medication, treatment or therapy?	Please explain:
Tary adverse or other reactions t	to medication, treatment or therapy?	Please explain:
-	3	-
a. Does medication make patien	t drowsy? NoYes	
o. Is patient capable of safely op	erating a motor vehicle while taking	the above prescribed medication(s)?
o. Is patient capable of safely op	erating a motor vehicle while taking	
o. Is patient capable of safely op  NoYes	erating a motor vehicle while taking Please explain:	the above prescribed medication(s)?
No Yes  Has patient ever been hospitalize	erating a motor vehicle while taking Please explain:  ed for the disorder? No	the above prescribed medication(s)?  Yes Please indicate
No Yes  Has patient ever been hospitalize	erating a motor vehicle while taking Please explain:	the above prescribed medication(s)?  Yes Please indicate
No Yes  Has patient ever been hospitalize	erating a motor vehicle while taking Please explain:  ed for the disorder? No	the above prescribed medication(s)?  Yes Please indicate
NoYesHas patient ever been hospitalize where and for how long:	erating a motor vehicle while taking Please explain: ed for the disorder? No	the above prescribed medication(s)?  Yes Please indicate
No Yes  Has patient ever been hospitalize	erating a motor vehicle while taking Please explain: ed for the disorder? No	the above prescribed medication(s)?  Yes Please indicate
NoYes	erating a motor vehicle while taking Please explain:  ed for the disorder? No	the above prescribed medication(s)?  Yes Please indicate
Do Is patient capable of safely op  NoYes	erating a motor vehicle while taking Please explain:  ed for the disorder?  No  pable of safely operating a motor vehicle	the above prescribed medication(s)?  Yes Please indicate  icle? No Yes
NoYes	erating a motor vehicle while taking Please explain:  ed for the disorder?  No  pable of safely operating a motor veh	the above prescribed medication(s)?  —— Yes ——— Please indicate  —— icle? No ——— Yes ———
NoYes	erating a motor vehicle while taking Please explain:  ed for the disorder?  No  pable of safely operating a motor veh	the above prescribed medication(s)?  Yes Please indicate  icle? No Yes
NoYes	erating a motor vehicle while taking Please explain:  ed for the disorder?  No  pable of safely operating a motor veh	the above prescribed medication(s)?  Yes Please indicate  nicle? No Yes
NoYes	erating a motor vehicle while taking Please explain:  ed for the disorder?  No  pable of safely operating a motor vehicle and psychiatric recommendation	the above prescribed medication(s)?  Yes Please indicate  nicle? No Yes
NoYes	erating a motor vehicle while taking Please explain:  ed for the disorder?  No  pable of safely operating a motor vehicle and psychiatric recommendation	the above prescribed medication(s)?  Yes Please indicate  nicle? No Yes
NoYes	erating a motor vehicle while taking Please explain:  ed for the disorder?  No  pable of safely operating a motor vehicle and psychiatric recommendation	the above prescribed medication(s)?  —— Yes —— Please indicate  nicle? No —— Yes ——  ns? No —— Yes ——

## COMMENTS

	How long has this patient been under your treatment?
	Frequency of visits
	Date of last visit:
	Was patient referred to you by another doctor? No Yes If yes, please indicate name address of referring doctor:
	Have you referred the patient to another medical specialist for diagnosis or treatment? No Yes If yes, please indicate name and address of doctor to whom referred and results of consultation:
	Has patient followed your medical recommendation? No Yes
	a. Does the patient keep appointments? No Yes b. Does the patient take medication as prescibed? No Yes
	Has the patient ever had occupational or physical therapy for the condition in question? NoYes If yes, what date(s), where and for how long?
	Do you recommend that the Department request a statement of your patient's:  Psychological Condition? No Yes  Visual Acuity? No Yes
1	Any adverse or other reactions to medication, treatment or therapy? Please explain:
_	any actions of other reactions to medication, treatment of therapy.
-	a. Does medication make patient drowsy? No Yes b. Is patient capable of safely operating a motor vehicle while taking the above prescribed medication(s)?
- E	a. Does medication make patient drowsy? No Yes
	a. Does medication make patient drowsy? No Yes b. Is patient capable of safely operating a motor vehicle while taking the above prescribed medication(s)?  No Yes Please explain:
	a. Does medication make patient drowsy? No Yes b. Is patient capable of safely operating a motor vehicle while taking the above prescribed medication(s)?  No Yes Please explain:  Do you recommend any driving restrictions? No Yes If yes, please specify:
	a. Does medication make patient drowsy? No Yes b. Is patient capable of safely operating a motor vehicle while taking the above prescribed medication(s)?  No Yes Please explain:  Do you recommend any driving restrictions? No Yes If yes, please specify:  Do you recommend the Dept. conduct a periodic driving evaluation? No Yes How often:  Should the Dept. require periodic medical evaluation to monitor changes which may affect driving?  In Yes How often?
	a. Does medication make patient drowsy? No Yes b. Is patient capable of safely operating a motor vehicle while taking the above prescribed medication(s)?  No Yes Please explain:  Do you recommend any driving restrictions? No Yes If yes, please specify:  Do you recommend the Dept. conduct a periodic driving evaluation? No Yes How often:  Should the Dept. require periodic medical evaluation to monitor changes which may affect driving?  Idease include any additional information you feel will help in assessing your patient's ability to safely operate anotor vehicle:
	a. Does medication make patient drowsy? No Yes b. Is patient capable of safely operating a motor vehicle while taking the above prescribed medication(s)?  No Yes Please explain:  Do you recommend any driving restrictions? No Yes If yes, please specify:  Do you recommend the Dept. conduct a periodic driving evaluation? No Yes How often:  Should the Dept. require periodic medical evaluation to monitor changes which may affect driving?  If yes How often? Yes How often? Yes How often you feel will help in assessing your patient's ability to safely operate as
	a. Does medication make patient drowsy? No Yes b. Is patient capable of safely operating a motor vehicle while taking the above prescribed medication(s)?  No Yes Please explain:  Do you recommend any driving restrictions? No Yes If yes, please specify:  Do you recommend the Dept. conduct a periodic driving evaluation? No Yes How often:  Should the Dept. require periodic medical evaluation to monitor changes which may affect driving?  It is an include any additional information you feel will help in assessing your patient's ability to safely operate a notor vehicle:  CERTIFICATION—  I certify that the statements contained in this statement of examination are true to the best of my knowledge and belief.
	a. Does medication make patient drowsy? No Yes
	Does medication make patient drowsy? No Yes

## 3

# APPENDIX 7 HISTORY FORM

## EXAMPLE 1

# MARY FREE BED HOSPITAL AND REHABILITATION CENTER DRIVER REHABILITATION SERVICES

## INTAKE FORM

NAMEBIRTHDATE								
FIRST MIDDLE LAST								
HOW DID YOU LEARN ABOUT OUR PROGRAM?								
DO YOU HAVE A CURRENT VALID DRIVER'S LICENSE? YES NO								
LICENSE #								
CHECK ALL THAT APPLY:								
EXPIREDLOSTPERMIT								
MEDICAL INFORMATION:								
DIAGNOSIS:ONSET:								
RESULTING FROM:								
CURRENT EFFECTS OF MEDICAL CONDITION:								
HISTORY OF DRUG/ALCOHOL ABUSE? YES NO								
HAVE YOU EVER HAD SEIZURES OR PERIODS OF BLACKOUTS? YES NO								
IF YES, DATE OF LAST INCIDENT								
ARE YOU CURRENTLY TAKING ANY MEDICATIONS? YES NO								
IF YES, PLEASE LIST:								
LIST ANY SIDE EFFECTS:								
VISION:								
DO YOU WEAR GLASSES OR CONTACTS?BIFOCALS/TRIFOCALS?								
WHEN WAS YOUR LAST VISION EXAM WITH AN EYE DOCTOR?								
HAVE YOU NOTICED ANY CHANGES IN YOUR VISION SINCE THEN?								
DO YOU HAVE ANY VISION COMPLAINTS WITH YOUR CURRENT EYEGLASS								
PRESCRIPTION?								
HAVE YOU HAD ANY PROBLEMS WITH:								
BLURRINESSDOUBLE VISIONEYE STRAIN/HEADACHES -								
MISSING OBJECTS ON ONE SIDE								
DIFFICULTY CONCENTRATING ON TASKS								
DO YOU HAVE ANY PROGRESSIVE EYE DISEASE?								
CATARACTSMACULAR DEGENERATION								



GLAUCOMAOTHER							
HAVE YOU HAD ANY EYE SURGERIES? YES NO							
IF YES, LIST DATE AND TYPE							
SUSPENDEDRESTRICTEDOUT OF STATE							
DRIVING EXPERIENCE:							
HOW MANY YEARS HAVE YOU BEEN DRIVING?							
WHEN WAS THE LAST TIME YOU DROVE?							
DO YOU HAVE ANY CONCERNS ABOUT YOUR DRIVING?							
IF SO, WHAT?							
DOES ANYONE ELSE HAVE CONCERNS REGARDING YOUR DRIVING?							
IF SO, WHAT?							
WHAT TYPE OF DRIVING DO YOU HOPE TO RETURN TO? (ie. day/night,							
limited area/long distance)							
HAVE YOU BEEN INVOLVED IN ANY MOTOR VEHICLE ACCIDENTS? YES NO_							
IF YES, PLEASE DESCRIBE IN THE SPACE BELOW							
HAVE YOU HAD ANY TRAFFIC VIOLATIONS? YES NO							
IF YES, PLEASE DESCRIBE IN THE SPACE BELOW							
VEHICLE INFORMATION:							
WHAT TYPE OF VEHICLE DO YOU OWN?							
CHECK ALL THAT APPLY:							
2 DOORAUTOMATIC TRANSMISSIONPOWER STEERING							
4 DOORSTANDARD TRANSMISSIONPOWER BRAKES							
POWER BRAKES							
WILL YOU CONTINUE TO USE THIS VEHICLE FOR DRIVING? YES NO							
MOBILITY:							
ARE YOU ABLE TO WALK WITHOUT ASSISTANCE? YES NO							
IF NO, CHECK ALL THAT APPLY:							
WHEELCHAIR-MAN./ELECBRACES							
CANECRUTCHESWALKEROTHER							
GENERAL INFORMATION:							
EDUCATION:GRADE SCHOOLHIGH SCHOOLCOLLEGE							

WERE YOU EMPLOYED AT THE ONSET OF YOUR RECENT MEDICAL PROBLEM?								
ARE YOU CURRENTLY EMPLOYED?IF YES, WHERE AT?								
WHAT IS YOUR CURRENT LIVING SITUATION?								
LIVES ALONELIVES WITH FAMILY/ROOMMATE								
OTHER								
WHEN YOU ARE DRIVING, WILL YOU BE TRANSPORTING SMALL CHILDREN?								
YESNO IF YES, LIST AGES OF CHILDREN								
IF YOU ARE NOT CURRENTLY DRIVING, WHAT ARE YOUR OPTIONS FOR								
TRANSPORTATION?								
FAMILY/FRIENDSPUBLIC TRANSPORTATIONTAXI								
OTHERWOULD LIKE MORE INFORMATION								
ARE YOU CURRENTLY RECEIVING ANY TYPE OF THERAPY? YES NO								
IF YES, PLEASE INDICATE WHERE AND WHAT TYPE OF THERAPY:								
(ie. OT, PT, ST, how often)								

## DRIVE TO INDEPENDENCE Driver History & License Information

Client's Name		Ехрі	ration Date:
N/A Parent Permit #			
		Year	2 Door / 4 Door
	Standard		
Brakes: Power	Standard		
Steering: Power	Standard		
Seats: Bucket	Bench (Split)		
Other Options:			
Are you a dual foot driver? Y/N  Is vehicle adapted already? Y/N By whom?  Is insurance current?			5
TO VER HISTORY			
did you last drive?			
did you last drive? Have you taken Drivers Education? Y/N			
How many more experience because of the control of			
How many years experience have you had driving?			
Which blocks of time do you drive the most?			
Do you drive at night? Y/N Do you use the freeways What types of roadways do you intend to drive on?	v other state? Y/N		
lumber of traffic collisions involved in as a driver:			
otal traffic violations within the past 3 years: tote type of violation(s):			*
river Needs:			' <del>:</del>
To get to school or vocation			
To get to a job. Occupation:			
Job requires driving vehicle. Occupation:			
To be independent in the community			•
Prive children			-
her			
o you have any concerns about your ability to drive?			
nver goals:	_		
	-		

## PRE-SCREENING TESTS

MOTOR FREE VISUAL PERCEPTION TEST (MVMP): This test is given to evaluate visual perception and processing time. The MVMT test is a 36 item, timed test of visual perception that includes assessment of spatial relations, figure ground, form consistency visual discrimination, and visual memory....It is not influenced by a lack of motor ability, and is standardized for the adult population.

H CANCELLATION TEST: See page 35

LINE BISECTION TEST: See page 36

PORTO-CLINIC/GLARE TEST: This test is used to measure color recognition, depth perception, glare recovery, night vision and reaction time. Simple and complex subjective reaction time are measured utilizing an accelerator and brake simulator while the patient reacts to visual and auditory stimuli.

TAXES DIFFECTLY FROM A DESIGNAM FOR THE VISUALLY IMPAIRED.

GROMMET MANIPULATION TEST: This test uses a device that the patient grips and tries to move a small object through a maze. It entails eye-hand coordination.

TITMUS VISION TEST: This test can be used to measure a patient's acuities and depth perception.

# PRE-SCREENIG TESTS (CONT.

### H CANCELLATION TEST

G H G F D E D H F H C B H F A D H C E H I F D G H E B I H G B I H G B I H C E H B G H G F D E D H F H C B

H G A I C H F B H A F H E B F H C A D F H G E H B H D F C H F D I H G C B I H B D H G A I C H F B H A F F E B H G B I H C E H A F C E H A F C H G F D F H E B G H G F H E D H F H C H F A H E B H G B I H C E H A F C H B E H D G H A D F H B I H G E B G H D E H G B H A B E F H B C A D F G H B C D C H B E H D G H A D F H

F This test is used to
D assess visual
A scanning skills and
detect unilateral
H neglects, hemianopsias
G and midline
O orientation deficits.
H NOTE: TAKEN DIRECTLY FROM A DELIVING
PROGRAM FOR THE VISUALLY TAPAIRED.
E

### PRE-SCREENIG TESTS (CONT.) LINE BISECTION TEST

150	num	cont
1	aurin	2.0.

This test is used to assess visual scanning skills and detect unilateral neglects, hemianopsias and midline orientation deficits.

NOTE: TATAL DIRECTLY FROM A DRIVING PROGRAM FOR THE VISUALLY IMPAIRED.



### EXAMPLE 2 PRE-SCREENING FORM

### DRIVE TO INDEPENDENCE PROGRAM EVALUATION

	IIIC.	,	Date:	
Diagnosis:			Physician:	
Precautions	<u> </u>	I	Driver's Lic.#	
	IVE: Refer to License Inform		ity of Daily Living Status form a	and Driver
OBJECTIV	VE:			
	☐ Review of	contracts & consent forms	☐ Cognitive/Perceptual .	Assessmen
	☐ Obtain m	edical/driving history	<ul> <li>Road sign identification</li> </ul>	n
	☐ Physical .	Abilities assessment	☐ Range evaluation	
	□ Visual as	sessment	☐ Road evaluation	
ASSESSMI		•		
Physical Abi	lities;			
Hearing:	☐ Intact			
				-
Speech: comments:_	☐ Intact	☐ Impaired		
·				
Orthotic De	vices/Type:		Location:	
Fone/Contr	actures/Deform	nities:		
Mobility Sta	ntus/Device:	F 30 30 10 10		
,				
Description	of wheelchair	/cart:		

FUNCTIONAL MOVEMENT SKILLS	Within functional limits	<u>Impaired</u>	Unable
. Turn Head Right			
. Turn Head Left	11. 41s		
. Rotate Trunk Right			
Rotate Trunk Left			
. Sitting Balance (Dynamic)			

	Within funct	ional l	<u>imits</u>	Impa	ired		Unable				
		R leg	L leg		R leg	L leg		R	L leg		
Gross Coordination											
Sensation (deep pressure)								1			
Proprioception							1 mary 19	-			
STRENGTH KEY		Body Seg		egment		Rig	tht	Left			

STRENGTH KEY	Body Segment	Right	Left
G = Complete range of motion	Shoulder		
gravity with minimal or more	Elbow		
resistance applied	Forearm		
F = Impaired ability to move against	Wrist		
gravity and/or limited ROM present	Grip		
P = Significant impairment in strength	Hip		
or unable to perform ROM	Knee		
	Ankle		

MMENTS:		
į.		
	9	

-	TECT AND MENTOD	VISUAL ASSESSM	IMPAIRED	NORMS
	TEST AND METHOD	INTACT		NORMS
•		(record score)	(record score)	
1.	Binocular Pursuits			smooth & accurate
2.	Static Saccades			rapidly locate target; rhythmic timing
3.	Dynamic Saccades			rapidly locate target; rhythmic timing
4.	Peripheral Fields (circle):			90 degrees or better
•	Optec 2000			meets Michigan State
•	Confrontation			Guidelines
•	Humphrey		8	Jaidennes
_	Eye Care Professional Exam			
5.	Fixation/Convergence (circle):	>	8	Dark Brown/Black Dot
,	Optec 2000			Maintain gaze for 20 sec
•	Confrontation			< 7 inches breakpoint
ó.	Binocular Acuity/Far Point (circle):		:	20/50 or better meets
	OPTEC 2000	1.		Michigan State
•	Snellen			Guidelines
_	Eye Care Professional Exam			
	Color Discrimination (circle):	E 1	1	8/8 plates
	OPTEC 2000			8/8 digits
	Ishihora			
	Vertical Phoria/Far ; Optec 2000		-	2 1/2 - 5 1/2 diaptors
	Lateral Phoria/Far:			2 1/2 12 1/2 4:
	Optec 2000			3 1/2 - 13 1/2 diaptors
_	Binocular Acuity/Near			
	Opter 2000			
	Lateral Phoria/Near			3 1/2 - 13 1/2 diaptors
	Optec 2000			10 1/2 diaptoto
2.	Road Sign Identification			10/12 signs
	Optec 2000			
3.	Depth Perception			. 3/3
	Optec 2000			
4.	Contrast Sensitivity			

comments:

### \*Complete this page for Neurological Diagnosis

	TEST AND SKILL	PASS		FAIL	PASSING SCORE
1.	Paragraph Recall				
•	Short Term Auditory Memory	}			7/15
2.	Road Sign recall				
•	Long Term Auditory Memory	[			3/3
3.	Right/Left Discrimination				5/5
4.	WAIS-R Digit Symbol			PRODUCTION OF THE PRODUCTION O	39 ± 6
•	rapid visual perception				
•	motor speed				
•	coordination	1	-		
•	speed of motor operations				
•	visual short term memory				
5.	WAIS-R Picture Completion				13 ± 3
•	visual perception				ľ
•	attention to detail		1.		
•	differentiate essential from non-essential				
	detail		-		
6.	Design Copying			·	3/3
•	Constructional ability				
7.	Unilateral Inattention				3/3
8.	Mesulum SCAN PARTE	EN ! Soos			58/60
-	SCANNING / ATTEND, DISTARCTABLE	174			
10.	Trail Making Test A.				10 - 58 seconds
•	simple and complex sequencing, visual				No errors
	scanning, and visual motor coordination				
11.	8		-		25 - 159 seconds
•	simple and complex sequencing, visual		-		No errors
	scanning, and visual motor coordination				

COMMENTS:	
PLAN:	
SICNATUDE.	OTP

PARAGRAPH RECALL
SHORT TERM AUDITORY MEMORY

### Paragraph Memory Test

Charles Houseman / a 50 year old / computer programmer / from Queens / New York / was driving to Manhattan / in his brand new / Mercedes. / He was hit from the rear. / He sustained no injuries / nor any damages / to his car. / A harmless incident. / He continued his trip / to the health club./

Items	recalled	

### Right/Left Discrimination

- 1. Show me your left hand.
- 2. Show me your right eye.
- 3. Show me your left foot.
- 4. Show me your left shoulder.
- 5. Show me your right elbow.

### WAIS-R DIGIT SYMBOL TEST

RAPID VISUAL PERCEPTION

MOTOR SPEED

COORDINATION

SPEED OF MOTOR OPERATIONS

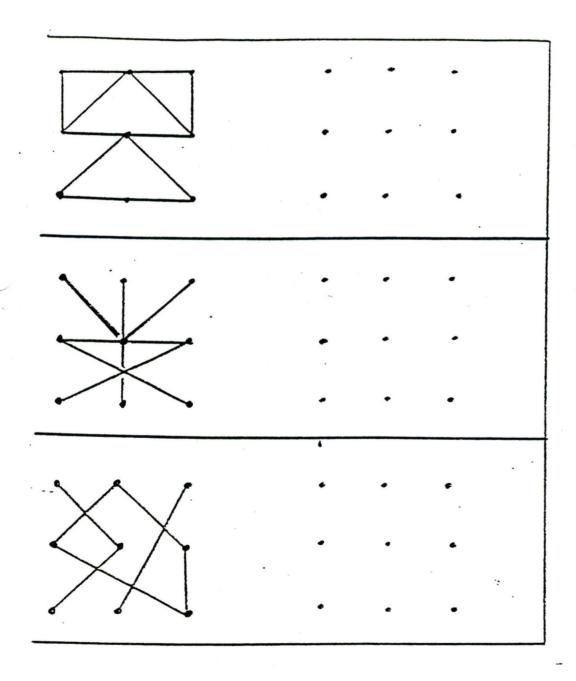
VISUAL SHORT TERM MEMORY

10. DIGIT SYMBOL	<u> </u>	2	3	4 L		5	6		7	8 ×	_	9		SC	CORE
SAMPLES 7	24	182	2 1	3 2	12	12	3	5	2 3	1	4	5	6	3	14
1542	7 6	3 5	7	28	5 4	16	3	7	28	1	9	5	8	4	73
6251	9 2	83	7	4 6	5 9	94	8	3	7 2	6	1	5	4	6	3 7
9281	7 9	4 6	8	5 9	7 1	8	5	2	9 4	8	6	3	7	9	86

- boking @ processing.

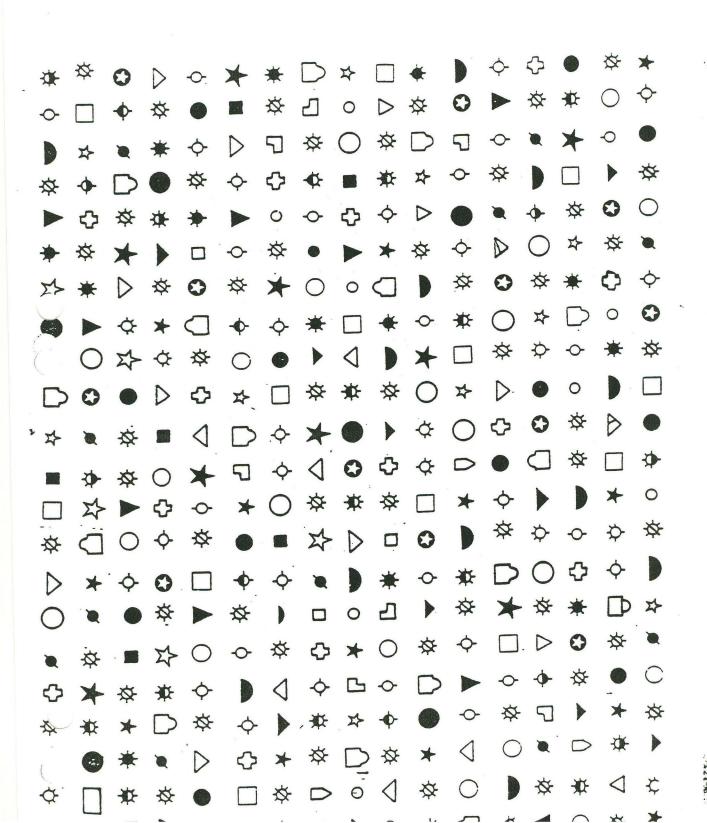
### DESIGN COPYING CONSTRUCTIONAL ABILITY

### SPATIAL RELATIONSHIPS



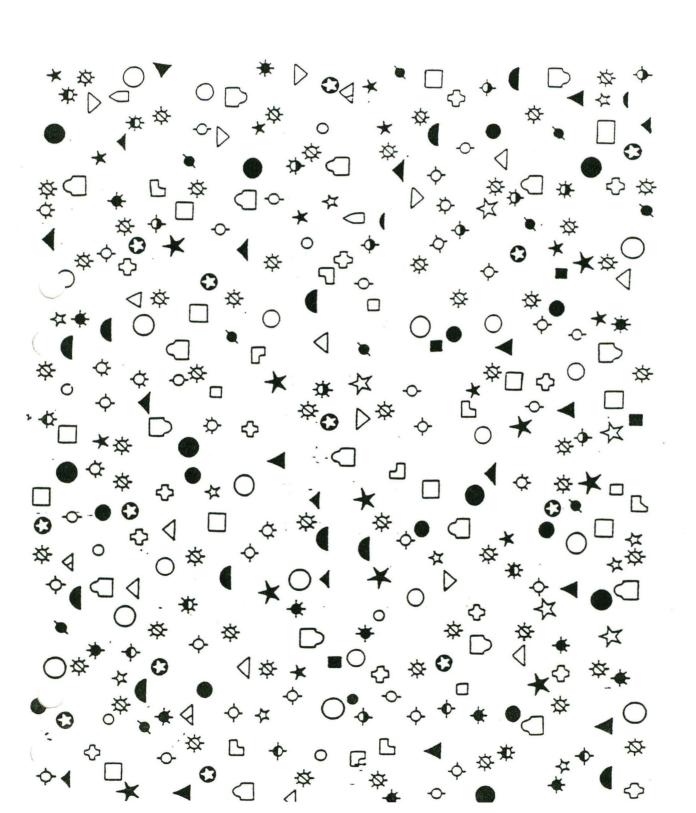
### MESULUM

### SCANNING/ATTEND SCANS FOR PATTERN



### MESULUM

### SCANNING/ATTEND SCANS FOR PATTERN



### TRIAL MAKING TEST A

SIMPLE AND COMPLEX SEQUENCING
VISUAL SCANNING
VISUAL MOTOR COORDINATION

### TRAIL MAKING

ADULT FORM

Part A

## SAMPLE End 8 Begin 1 3

### TRIAL MAKING TEST B

SIMPLE AND COMPLEX SEQUENCING
VISUAL SCANNING
VISUAL MOTOR COORDINATION

### TRAIL MAKING

Part B

