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## INTRODUCTION

In compliance with the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) requirements, the Kansas Department of Transportation (KDOT) has developed the Statewide Transportation Improvement Program (STIP) for Kansas.

The STIP has been categorized into three general sections:

1) Statewide Public Transit Projects
2) Federal Lands Highway

Program Projects
3) All street and highway projects administered by KDOT

The comprehensive list of programmed projects provided under category three above includes all projects regardless of funding source to be administered by the Kansas Department of Transportation for the next three federal fiscal years. This list includes projects for counties and cities, as well as projects on the State Highway System. This approach allows currently scheduled projects to be converted to federal aid, if necessary, without undue delay and revision to the STIP. Transportation Improvement Programs (TIP) for the urbanized areas in Kansas are included in this STIP by reference. The TIPs that are included are those currently in force for each MPO. As new TIPs are adopted by each MPO they will be amended without modifica-
tion to this STIP. Projects located within each MPO Area (Kansas City, Wichita, Topeka, Lawrence, and St. Joseph) are not listed in this STIP.

For convenience and easy reference, projects listed under category three have been listed by federal fiscal year, by work phase (CONST - Construction and Construction Engineering, PE - Preliminary Engineering, ROW - Right of Way, and UTIL - Utilities), by county and by project number. Also included is an index of projects by county and project number showing the current work phase cost estimate and the year the work phase is expected to begin.

In addition to the actual project lists, this submittal also includes narrative descriptions of the project selection process and procedures used by KDOT in developing this STIP and the program financing anticipated for this STIP.

Public involvement was provided for in the development of this STIP as required by CFR 450.210(a) and in accordance with KDOT's Public Involvement Procedures. The goal of KDOT's Bureau of Public Involvement is to involve the public throughout the project development process by building and sustaining relationships with citizens, business, legislators, and governmental entities. City
and county officials are required to provide documentation showing that public involvement was sought during the development of their five-year plans, which are submitted to KDOT for inclusion in the STIP.

Section 23 CFR 450.218 of the Statewide Planning Regulations described ten certifications that states must make when submitting their proposed State Transportation Improvement Program to FHWA and FTA for approval. The Kansas Department of Transportation hereby certifies that the transportation planning process is being carried out in accordance with the following requirements:

1) 23 U.S.C. 134 and 135, 49 U.S.C. 5303 and 5304, and this part;
2) Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
3) 49 U.S.C. 5332 , prohibiting discrimina-
tion on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
4) Section 1101(b) of the SAFETEA-LU (Pub. L. 109-59) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
5) 23 CFR part 230 , regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
6) The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27,37 , and
38;
7) In States containing nonattainment and maintenance areas, sections 174 and 176(c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506(c) and (d)) and 40 CFR part 93;
8) The Older Americans Act, as amended (42
U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assis-
tance;
9) Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
10) Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.

In addition to these certifications, Section 450.216 describes a number of requirements that the states should also ensure are met when submitting their STIP. The state of Kansas has also met the following requirements:

1) Public involvement was provided for in the development of the STIP as required by 450.210(a);
2) The metropolitan planning areas' TIPs are included by reference and have been approved by the Governor's designee;
3) Projects in this STIP are consistent with state and local policy and therefore will be consistent with the adopted Long-Range Transportation Plan;
4) The STIP is financially constrained by year;
5) The STIP includes a list of priority projects to be carried out in the first four years;
6) The STIP contains all regionally significant transportation projects requiring action by FHWA and FTA.

Questions concerning this STIP
may be forwarded to:
Kansas Department of Transportation Bureau of Program/Project Management 700 Harrison, 2nd Floor Tower
Topeka, Kansas 66603-3754
(785) 296-3526

FAX (785) 368-6664

Questions about KDOT's Public Involvement Policy may be forwarded to:

Kansas Department of Transportation

Bureau of Public Involvement
700 Harrison, 2nd Floor
Topeka, Kansas 66603-3754
(785) 296-3769

KDOT's STIP may be viewed online at: www.ksdot.org/publications.asp. The informa-

## PUBLIC INVOLVEMENT

KDOT's Public Involvement Program was formally created in 1997, although KDOT has undertaken public involvement activities for many years. The mission of the program is to foster effective two-way communication, facilitate citizen participation, and help KDOT and its customers work together to provide a statewide transportation system that meets the needs of Kansas.

The program is guided by the Bureau of Public Involvement, within the Division of Public Affairs. A Bureau Chief of Public Involvement and two Headquarters Public Involvement Liaisons assist engineers in the Division of Engineering and Design with public involvement activities for projects in development.

The program is further strengthened by a District Public Affairs Manager in each of the agency's six districts and a Public Affairs Manager at the Wichita Metro Area Office. These District Managers focus on local and regional public affairs for construction and maintenance projects, assist with public involvement for projects in development, work with local news media, and foster relationships with citizens and businesses at local levels. Community Affairs Managers, located in Chanute and Garden City serve
communities in southeast and southwest Kansas, focusing on fostering relationships with local governments, school districts, and economic development groups.

## The Purpose of Public Involvement

Public involvement helps KDOT engineers make informed decisions that address the values, concerns, and issues of people potentially affected by transportation projects. Public involvement can help identify and clarify important issues, help identify environmental constraints and possible mitigation, and help bring out potentially helpful ideas. Incorporating public input with current engineering criteria and a variety of other factors can provide a basis on which to develop or select alternatives. Thus, the public's participation contributes to the larger body of knowledge used to help make planning, programming, design, and construction decisions.

## The Public's Role in Project Selection

The general public and public officials play important roles in determining several types of projects listed in this STIP. The authority and responsibility for project decisions ultimately rest with the Secretary of Transportation.

1. KDOT annually solicits requests from cities for eligible projects in the City Connecting Link (KLINK) Resurfacing Program. Cities requesting projects are encouraged to review their proposals with the District Engineer serving their region.
2. The Bureau of Traffic Engineering conducts studies on the physical and operational characteristics of highaccident locations under the Safety Projects set-aside program. When necessary, the studies include identifying and evaluating problems perceived by the public.
3. The twelve-member Highway Advisory Commission is appointed by the Governor and is comprised of two members of the general public from each of KDOT's six districts. The Commission reviews proposals for projects under the Geometric Improvement Project and Economic Development Project categories of the Major Modification Program. The Commission then recommends projects to the Secretary of Transportation, who makes the final selection. Project proposals are initially solicited from local governments. Applicants are encouraged to review their proposals with the District Engineer serving their region.
4. Transportation Enhancement Program project applications are solicited from cities and counties. Applicants are strongly encouraged to provide evidence of local public support for their
proposed project.
5. Corridor master plans under the Corridor Management Program are implemented through partnerships with local units of government.
6. The five Metropolitan Planning Organizations (MPOs) are required to include public involvement in their Metropolitan Transportation Improvement Programs.
7. Projects selected under the System Enhancement Program (SEP) were solicited from local units of government. Many applications were available for local public scrutiny and comment prior to being submitted to KDOT. Selections for SEP projects were based in part on the findings of an ad hoc Economic Development Review Panel, a group of citizens appointed by the Governor to evaluate the applicant projects' potentials to enhance economic development.
8. The Local Partnership Railroad Grade Separation program (a component of the statewide Comprehensive Transportation Program) addresses highway/railroad at-grade crossings both on and off the state highway system which are on lower priority routes. Project applications were solicited from local units of government and included 10 to 20 percent local matching funds. Projects were prioritized based on the Design Hazard Rating formula, which also ranks other highway/railroad crossing projects.
9. Federal Surface Transportation Program (STP) Hazard Elimination (HES) Project funds are allocated in part based on location information submitted by local units of government.

## The Public and the Priority Formulas for Project Selection

KDOT uses Priority Formulas to select and prioritize many of the projects in the Major Modification and Priority Bridge programs. The formulas help KDOT meet the challenge of making objective decisions about where to spend limited resources and which problems to work on first. Characteristics that contribute to road safety are key criteria in each of the formulas. There is no doubt that everyone is concerned about safe transportation. Among the safety concerns expressed by the public are:

1. The numbers of accidents along certain roads or at specific locations;
2. Perceived risks in the presence of congested traffic;
3. Road characteristics such as narrow shoulders, "tight" curves, limited sight distances, and rough driving surfaces.

These issues are also reflected in statistically valid public telephone surveys KDOT conducts when studying certain projects early in their development. There is an inherent risk in transportation systems, even though modern technology and engineering practices continue to help
move people safely and efficiently. Since KDOT's goal is to provide a safe and efficient transportation system, a variety of safety issues are addressed in virtually every project undertaken by the agency.

Safety perceptions vary between people and sometimes their perceptions are not supported by objective data. A road that seems safe to one driver may feel unsafe to another. Or, the opposite may occur. Many safety issues reflect engineering characteristics that can be measured objectively. A seemingly safe road may have measurable safety problems. Conversely, a road that some feel is unsafe may have no measurable safety problems. Only measurable safety characteristics are included in the factors used in the Priority Formulas. While the Priority Formulas focus on real issues rather than varying perceptions, they nevertheless address many safety concerns expressed by the public. The Priority Formulas are explained in greater detail later in this document.

## Partnership Project and the Local Consult Process

The Partnership Project (P2) was designed as a top to bottom review of KDOT by KDOT and its advisory group. Started in 2003, the goal was to find ways for the Department to be more responsive to internal and external customers and become a more efficient agency.

One of the priorities coming from the P 2 project was to nuture better relationships with local governments. P2 identified the importance of involving local officials early and often in planning, project programming, and project development. As a result, KDOT is renewing its efforts to partner with local governments and will implement recommendations which arise from this effort. The local consultation process will provide for increased interaction between KDOT District staff and local officials and will include activities to get input from local officials about project programming priorities and scopes. The process will allow KDOT to enhance partnerships with local officials; encourage better coordination among headquarters, district, and field staff; and meet a federal requirement.

## PROJECT SELECTION CRITERIA

Projects contained in this STIP are generated from various levels of government (city, county, and state) and from many different governments. Consequently, they are also generated from many different processes and criteria. The criteria described below are those used by KDOT to select projects on the state highway system and city connecting links.

The Kansas Fiscal Year (FY) 2007 2009 Highway Projects are composed of four program categories: Substantial Maintenance; Major Modification; Priority Bridge; and System Enhancement. The 1990-1997 Comprehensive Highway Program established these categories. A new System Enhancement program was authorized by the Kansas Legislature for the FY 2000-2009 Comprehensive Transportation Program. Within each of these major categories are funding and/or project-type subcategories. The selection criteria used in developing the Program are tailored to the intent and funding constraints of each of the program components.

## SUBSTANTIAL MAINTENANCE

Substantial Maintenance projects, the first major component, are intended to protect the traveling public and the public's investment in its highway system
by preserving the "as built" condition as long as possible. These projects are financed with funds that are reserved (or set aside) for specific purposes.

Without proper maintenance, the cost for major repairs and/or replacement at a later date can be several times greater than the cost of timely maintenance. The Substantial Maintenance set-aside funds include Non-Interstate Resurfacing, City Connecting Link (KLINK) Resurfacing, Interstate Resurfacing, Contract Maintenance, Safety Projects, Bridge and Culvert Repair, Bridge Painting, Signing, Pavement Marking, Lighting, and Emergency Repair.

## Non-Interstate Resurfacing

Approximately 1,200 to 1,400 miles of two-lane non-Interstate pavement are resurfaced or repaired annually through this set-aside program. The program's intent is to maintain non-Interstate pavements in adequate condition and keep rideability at an acceptable level.

These projects are selected by using the Pavement Management System (PMS). PMS is an integrated set of procedures that were developed by KDOT and Woodward-Clyde Consultants. It recommends pavement maintenance and rehabilitation strategies on both
a network and a project level. PMS consists of three interconnected subsystems:

The Pavement Management Information System (PMIS) is a data base and supporting computer programs and tools which contain network and project-level survey results, information downloaded from the planning database, and output from the Construction Priority System. Information from the planning database includes data on geometric features, traffic, and truck load information. Information is regularly transferred between these multiple data sources.

## The Network Optimization System

 (NOS) models the highway network and determines the action for each one-mile segment of the entire system to produce the optimal statewide benefit. The system can operate in either a "desiredperformance" mode or a "fixed-budget" mode. In the desired-performance mode, the system selects actions to achieve the selected performance level at the lowest cost. In the fixed-budget mode, the system selects the set of projects that produces the "best" total system performance for the fixed-budget level. A linear programming model is used to minimize the long-term expected average cost of rehabilitation, subject to certain shortterm requirements. Program development is a two-part process. NOS selects "locations only" for projects to be let to contract two years following the surveyyear. The second process (described below) develops scopes for resurfacing projects for the year following the pavement survey.

The Project Optimization System (POS) will serve two functions. First, it is a comprehensive design system for pavement structural sections on new grades. Second, it utilizes site-specific cost and material parameters to revise tentative project scopes from the NOS. Alternative rehabilitation strategies for a single project, or for groups of projects which meet cost and performance constraints from the NOS, are further evaluated. The POS selects the strategy which minimizes the need for future maintenance.

## Interstate Resurfacing

Approximately 20 center-line miles of divided Interstate roadway ( 40 miles of two-lane pavement) are resurfaced or repaired annually through the Interstate Resurfacing set-aside program. Input from the Pavement Management System is used to decide which sections of Interstate are to be resurfaced.

## City Connecting Link "KLINK" Resurfacing

This is a Local Partnership Program. The KLINK Resurfacing set-aside program provides funding for resurfacing projects on city streets that connect two rural portions of state highway (called

City Connecting Links). These projects are funded under a 50 percent state $/ 50$ percent city funding matching arrangement for cities with greater than 10,000 population and a 75 percent state/25 percent city ratio for cities with less than 10,000 population. The maximum state share for a project is $\$ 200,000$.

KDOT annually solicits requests for eligible projects. All State Highway System City Connecting Links are eligible except those on the Interstate System and fully-controlled access sections on the Freeway System. Cities requesting projects are encouraged to review the proposed projects with the KDOT District Engineer or designated representative before submitting applications. If requested funds exceed available funds, projects are prioritized and selected on the basis of pavement survey conditions.

## Contract Maintenance

Maintenance activities are undertaken to offset the effects of weather, deterioration, traffic wear, damage, and vandalism. Eligible projects are those that KDOT is not adequately staffed or equipped to perform. Due to the diverse types of actions and/or geographic location, contracting for the service is the most costeffective approach for the agency.

Selection is based on priority as seen from a statewide perspective. Basic criteria for contract maintenance projects
are: 1) inability to perform necessary actions with existing maintenance forces; 2) not eligible for other maintenance programs; 3) not anticipated (generally the result of weather or traffic conditions). Projects are selected on the basis of statewide need for corrective action, not on a balanced distribution between districts.

## Safety Projects

This set-aside program provides for improvement of intersections or spot locations where major improvement is not required. The addition of left-turn lanes, pavement resurfacing, traffic signals, signing, and pavement marking can be cost effective in reducing crashes at these locations.

The Bureau of Traffic Engineering conducts studies on the physical and operational characteristics of high-crash locations. These studies:

1) identify the reason the particular location is being reviewed;
2) identify pertinent conditions;
3) identify concerns;
4) identify possible causes of the concerns;
5) identify possible solutions;
6) estimate cost of each possible solution;
7) rank each solution on the basis of engineeringjudgment;
8) consider effects on like or similar areas (uniformity factor);
9) provide benefit/cost analysis for each solution;
10) recommend action.

Once projects are identified, they are ranked in descending order by average annual net return. KDOT determines the average annual net return for each location by subtracting the average annual cost from the average annual benefit. First priority is given to the location with the highest average annual net return.

Exceptions to this order are sometimes necessary because city matching funds are unavailable, future projects encompass the selected location, approximate locations are grouped into one project, or several smaller projects are combined resulting in a total net return larger than the return for one project. Projects are scheduled until the available Safety Project funds are exhausted.

## Emergency Repair

Funds are set aside annually for emergency repairs that occur as the result of accidents or disasters. Allocation of these funds is authorized by the State Transportation Engineer when accidents/ weather-related causes occur.

## Bridge and Culvert Repair

The Bridge Repair and Culvert Repair set-aside programs supplement the Priority Bridge program. The pro-
gram aims to restore the structural integrity of bridges and culverts. Bridge repair work includes: overlaying concrete decks; replacing or resetting expansion joints; resetting bearing devices; repairing abutments, piers, or girders; and repairing damage from external sources.

Each District, using the Bridge Management Engineer's recommended repair list, submits prioritized lists of candidate bridge and culvert projects to the Bureau of Construction and Maintenance and the Bureau of Design. Each candidate project is reviewed for the structure's condition history and latest inspection to confirm necessary repairs or replacement. Statewide lists are prioritized using such factors as maintenance effort, safety, traffic, and engineering judgment. The lists are submitted to the Bureau of Program and Project Management for review to confirm that the candidate structures are not programmed for future work under any other KDOT program. The prioritized lists are merged to create the yearly statewide repair list.

## Bridge Painting

There are approximately 800 bridge structures on the Kansas State Highway System, that require periodic painting of the structural steel to slow corrosion. These structures contain nearly 242,000 tons of structural steel. They are categorized into two groups:

Group A: Structures that have 10 tons or more of structural steel.

The Bridge Management Engineer prioritizes these structures (approximately 760 bridges) according to the Bridge Inspection Manual's "Paint Condition Rating." The statewide prioritized list is reviewed by the Bureau of Program and Project Management to confirm that each candidate structure is not programmed for future work under any other KDOT program. Projects are then scheduled in order of priority until available funds are exhausted.

Group B: Structures having less than 10 tons of structural steel.

Each District is responsible for the painting of these structures (approximately 40 bridges statewide).

## Signing

This program was established in 1996 to address necessary sign replacements on the State Highway System due to pending new federal requirements for minimum retroreflectivity of signs. This program schedules sign replacements based upon highway route mileage statewide and the total mileage of all the routes in each District for that year. This program excludes signs on any other state projects that include sign replacement for that highway route in the same year. This program also excludes any signs that were replaced within seven years of the
scheduled date of the replacement project.

## Pavement Marking

This set-aside program was established in FY 1996 to address pavement marking necessary due to pending new federal requirements for minimum retroreflectivity of pavement markings. Improvements in this category utilize high-performance, long-life pavement marking materials. Efforts are also made to identify those marking materials with wet-weather retroreflectivity. This program is limited to projects that do not have high-performance markings included under any other KDOT program. Projects are selected by the Bureau of Traffic Engineering based upon a roadway's traffic volumes, past performance of marking material, geometry, surface condition, surface type, crash history, and, in the case of new marking materials, the research benefit.

## Lighting

Because lighting is beneficial to the safety and operation of the highway system, this set-aside program was established in FY 2000. Projects are selected by the Bureau of Traffic Engineering based on the roadway's volume and night-time crash history. This program is limited to projects which are not included under any other KDOT program. Projects are scheduled until the available lighting funds are exhausted. (At other
locations, lighting may be installed by the local unit of government by obtaining a highway permit. In general, the local entity bears the cost of installation, maintenance, and operation.)

## MAJOR MODIFICATION

The Major Modification program is the second major component of the FY 2007-2009 Highway Program. It is designed to improve the service, comfort, capacity, condition, economy, or safety of the existing system. It includes a number of set-aside programs: Economic Development; Geometric Improvement; and the federal-aid Railroad/ Highway Crossing and Safety programs. Only a portion of the Railroad/Highway Crossing and Safety funds are included in the state program because most of the projects are off the State Highway System. Two new set-aside programs, Guard Fence Upgrades and Railroad Grade Separations, were established in FY 1996 and 1998 respectively.

For the CTP, four additional new setaside programs were established: Corridor Management; Railroad Crossing Surfacing; Local Partnership Railroad Grade Separations; and Intelligent Transportation Systems (ITS).

## Non-Interstate Roadway and Associated Bridge Projects

## Construction Priority System - <br> Major Modification Interstate and Non-

Interstate roadway and Priority Bridge projects are selected using the Construction Priority System. It ranks roadway sections and bridges for improvement by the seriousness of their deficiencies.

The system was developed by KDOT and Woodward-Clyde Consultants in 1981. The system originally consisted of two formulas - one for roads and one for bridges - that used input from KDOT's planning data base to measure the relative need for improvement of all roads and bridges. Both the roadway and the bridge formulas have since been modified by KDOT, and a third formula, for Interstate roadway rehabilitation projects, has been developed by modifying the original roadway formula to apply to Interstate roadway sections only. All three formulas are currently under review.

KDOT runs the three priority formulas annually to update priority ratings by using updated survey information. The output from the formulas, prioritized lists of roadway control sections and bridges, are used to identify logical projects. Projects with the highest relative need are programmed for improvement first within available funding and based on scheduling considerations. This process was used to select projects in the CTP Major Modification program and Priority Bridge program. These are the basic steps used to develop the multiyear program:

1) develop funding estimates;
2) identify and prioritize projects, deter-
mine improvement scopes, and prepare cost estimates;
3) earmark set-aside funds;
4) balance project costs and funding by fund class and obligation limit within each fiscal year;
5) prepare summary of project costs and funding by fund class and fiscal year, and;
6) review of draft program, cost, and funding summary data by Program Review Committee.

Non-Interstate Projects - Roadway work in this category includes reconstruction/heavy rehabilitation of pavement, widening traffic lanes, adding or widening shoulders, and improving alignment (i.e., eliminating steep hills or sharp curves). Associated bridge work includes widening narrow bridges, replacing obsolete bridges, and modernizing bridge rails for bridges within the limits of each project. Non-Interstate roadway projects were prioritized using the Non-Interstate Roadway Priority Formula. A schematic of the formula is shown on the following page.

## Interstate Roadway and Associated Bridge Projects

Roadway work in this category includes resurfacing, restoring, rehabilitating, and reconstructing pavement on the Interstate System. A separate priority formula was developed for Interstate roadway rehabilitation by KDOT in January 1988. A schematic of the formula is shown on the following page.

The Interstate Roadway Formula was reviewed prior to selecting projects for FY 1998. As a result of this review, use of the formula was suspended due to data-related issues and the need for the formula to more accurately reflect the structural condition of Interstate pavements. KDOT is in the process of reviewing both current data used in the formula and computer procedures for new data that evaluate pavement by pavement layer type, thickness, age, and axle loadings. For FY 2007-2009, Interstate Roadway projects were selected based on the age of the underlying pavement, pavement deterioration requiring frequent and repeated Substantial Maintenance projects, and system rehabilitation continuity.

## Economic Development

Economic Development projects are highway and bridge construction projects intended to enhance the economic development of the State of Kansas. This is a Local Partnership Program in which a project's cost is shared by the state and a local unit of government. Local support must be at least 25 percent of a project's total cost. Eligible projects must have the potential to significantly enhance the income, employment, sales receipts, and land values in the surrounding area.

KDOT annually solicits requests for eligible projects. Applicants are encouraged to review proposed projects with


* N on-Interstate Priority Formula (Adjustment Factors)

| Accident <br> Rate | Adjustment <br> Factor | Posted <br> Speed | Adjustment <br> Factor | Route <br> Class | Adjustment <br> Factor | Capacity <br> -Adjusted AADT ${ }^{4}$ | Adjustment <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| High | 1.0 | $\geq 55 \mathrm{MPH}$ | 1.0 | A | 1.0 | 20,000 | 1.0 |
| Medium | 0.858 |  |  | B | 0.9 | 10,000 | 0.925 |
| Low | 0.734 | < 55 MPH | Varies from | C | 0.7 | 6,000 | 0.895 |
|  |  |  | 0 to 1 | D | 0.5 | 2,000 | 0.865 |
|  |  |  | E | 0.3 | 0 | 0.850 |  |


| Interstate Prionity Fommula (Attributes/ Adjustment Factors) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Adju | ment Factors |  |  |
|  |  | Facili | Type | Should | Type | Route | AADT ${ }^{1}$ |
| Attribute (Need Value) | Relative Weight | Divided | Undivided | Stabilized | Unstabilized | $\begin{gathered} \text { Class } \\ \text { (See below) } \\ \hline \end{gathered}$ | (See below) |
| Commercial Traffic | 0.140 | 0.376 | 1.0 | 0.519 | 1.0 | 0 to 1 | 0 to 1 |
| Rideability | 0.189 |  |  |  |  | 0 to 1 | 0 to 1 |
| Pavement Structural <br> Evaluation (PSE) | 0.447 |  |  |  |  | 0 to 1 | 0 to 1 |
| Observed Condition | 0.224 |  |  |  |  | 0 to 1 | 0 to 1 |
|  |  | ${ }^{1}$ Average Annual Daily Traffic - The number of vehicles per day on a roadway segment averaged over one year. |  |  |  |  |  |

the KDOT District Engineer or a designated representative prior to the submission of an application. Upon submission, KDOT's Bureau of Program and Project Management reviews the proposed project scope and estimate. All projects are then assembled in a single package and presented to the Kansas Highway Advisory Commission. Staff from KDOT and the Kansas Department of Commerce and Housing assist the Highway Advisory Commission by evaluating the projects. The Highway Advisory Commission recommends a set of projects to the Secretary of Transportation who makes the final selection.

## Geometric Improvement

This is a Local Partnership Program. Funds are set aside annually to assist cities in funding geometric improvements on City Connecting Links (city streets which connect two portions of rural state highway). Geometric improvements are designed to widen pavements, add or widen shoulders, and add needed turning, acceleration, and deceleration lanes. The minimum local funding can range from 0 percent to 25 percent of the project cost, depending on the size of the city. The maximum state share ranges from $\$ 700,000$ to $\$ 950,000$.

KDOT annually solicits requests for eligible projects. Cities are encouraged to review proposed projects with the KDOT District Engineer or a designated representative before submitting the application. Upon submission, KDOT's Bureau of

Program and Project Management reviews the proposed project scope and estimate. All projects are then assembled in a single package and presented to the Highway Advisory Commission. KDOT staff assists by providing project-related information and design criteria. The Highway Advisory Commission recommends a set of projects to the Secretary of Transportation who makes the final selection.

## Safety Funds

The Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) was enacted on August 10, 2005. It establishes a new core Highway Safety Improvement Program (HSIP) that is intended to make significant progress in reducing highway fatalities. The HSIP requires States to develop and implement a strategic highway safety plan and submit annual reports to the Secretary that describe at least 5 percent of their hazardous locations, progress in implementing highway safety improvement projects, and their effectiveness in reducing fatalities and injuries. Other programs target specific areas of concern; such as work zone safety, older drivers, high-risk rural roads, and safe routes to school.

## Railroad/Highway Crossing

This federal-aid program funds protective device installation and hazard elimination at railroad/highway grade crossings on public roads. Federal-aid
finances up to 100 percent of the cost of these projects.

In accordance with Section 130 of the 1973 Federal-aid Highway Act, KDOT has established a state rail crossing inventory and formula to prioritize all 6,200 atgrade public crossings in Kansas.

The priority formula "hazard index" is used to rate the relative hazard potential for all crossings and is based on highway traffic, train traffic, and a warning device factor. A schematic of the formula is shown below.

Priority Formula For Railroad Crossings

| Hazard Index = AADT $\times T \times W$ |
| :--- |
| AADT $=$ Average Annual Daily Traffic |
| $T=$ Average Trains per day |
| $W=0.1$ for gates |
| $W=0.6$ for flashing lights |
| $W=1.0$ for cross bucks |

Each year a number of the highest ranked crossings that have not been addressed in prior programs are selected for review. A preliminary review of these crossings is conducted to verify crossing inventory information.

Crossings from this list that pass the preliminary review are scheduled for onsite diagnostic reviews. The diagnostic review team consists of KDOT, railroad, and local government staff. This team makes recommendations for each crossing as to type of warning system, crossing surface work, approach roadway im-
provements, drainage improvements, and brush and timber clearing. A rough cost estimate of the recommendations is developed for each crossing.

The on-site review is sent to the local government officials who have maintenance responsibilities for the highway or roadway. When crossing projects receive a commitment from local government, railroads, and the state, a project implementation procedure is started that leads to improvements at the crossing. With the implementation of prior federal transportation acts, KDOT now utilizes 100 percent federal funding for these railroad/highway crossing safety projects.

In conjunction with the United States Department of Transportation's national highway/railroad crossing safety initiatives, KDOT is also addressing railroad corridor highway/railroad crossing safety projects. For corridor project approval there must be a reasonable number of highway/railroad crossing closures. The highest priority highway/railroad crossings in the corridor are improved with active flashing light and gate signal systems.

## Federal Safety Projects

These federal-aid projects provide safety improvements on all federal-aid systems. Federal Safety funds provide 90 percent of these projects' construction and construction engineering costs, except that certain safety improvements as
listed in 23 U.S.C. 120 (c) are eligible for 100 percent funding. The Bureau of Traffic Engineering administers the majority of the Safety program. The Bureau of Local Projects administers a small portion of the program for projects on county roads and cities under 5,000 population.

Four categories of roadway systems have been established for location analysis and funding to ensure that all roadway systems can benefit from federal-aid safety improvements. Each category is allotted a portion of the total amount of Safety funds available at the beginning of each federal fiscal year.

| Jurisdiction Location |  | Population | Funding Split |
| :--- | :--- | :--- | :--- |
| N Metropolitan |  | Kansas City/Wichita | 38 percent |
| U Urban | Over 5,000 | 30 percent |  |
| K Rural State Hwys. | Less than 5,000 | 20 percent |  |
| C County Rds. and | Less than 5,000 | 12 percent |  |
| $\quad$ other Roadways |  |  |  |
| (These figures are not intended to be rigid. The percentages may |  |  |  |
| vary by a few points in any given year. In addition, funds that |  |  |  |
| cannot be utilized in one category may be transferred to another |  |  |  |
| category.) |  |  |  |

## Identification of High Accident

Locations - For Jurisdictions N and U, cities are requested to submit two years of crash data for up to five high-crash locations on federal-aid routes within their areas. High-crash locations are determined and ranked by descending equiva-lent-property-damage-only (EPDO) accident rate. The top 50 (approximately) are considered high-crash locations warranting further analysis. Projects in these categories are financed with federal-aid and local matching funds.

For Jurisdiction K, to determine if a location is a high-frequency crash location, a comparison is made between the actual crash rate and the statewide average rate for similar highways. The Bureau of Traffic Engineering conducts county-wide road safety audits. From these audits and from traffic studies, high-crash locations are established. High-crash locations are ranked in descending EPDO crash rate order. The top ten are considered high-crash locations warranting further analysis. Projects in jurisdiction K on the rural State Highway System are financed with federal-aid and state funds.

Jurisdiction C projects are financed with federal-aid and local matching funds rather than state funds. These projects are selected by local units of government and are subject to Federal Highway Administration approval. They are administered by the Bureau of Local Projects.

Prioritization - The identified high-crash locations are prioritized on the basis of the average annual net return for each location. The average annual net return is a dollar amount found by subtracting the average annual costs from average annual benefits. First priority is given to the location with the highest average annual net return. Remaining projects are scheduled in descending order until funds are exhausted. Exceptions to this might be caused by the unavailability of city
matching funds, future projects that may encompass the selected location, a grouping of proximate locations into one project, or combining several smaller projects for a total net return larger than one project.

## Railroad Grade Separations

This program was established in FY 1998 to replace state highway railroad atgrade crossings with grade separation structures. To be eligible for this program crossings must be:

1) a rural or City Connecting Link state highway crossing;
2) main line railroad traffic, excluding industrial spur tracks, and;
3) route classification must be " B " or "C" or be on the National Highway System (NHS).

Eligible at-grade crossings are prioritized using KDOT's priority formula hazard index. This is the ranking formula also used for the Major Modification Railroad/Highway Crossing projects. The formula is based on railroad and highway operational characteristics. Projects are funded with a combination of federal, state, railroad company, and local monies.

## Guard Fence Upgrades

This program was established in FY 1996 to address guard fence upgrades on

Interstate and selected high-priority corridors where guard fence is not a part of any other Major Modification or Priority Bridge project. This set-aside fund is necessary due to federal requirements.

It is anticipated that the program will require several years to be completed. Locations of individual sites for the program are determined and grouped into projects according to proximity. Prioritization is based on traffic exposure with locations having the highest traffic volumes being scheduled for construction in the earlier years followed in subsequent years by routes with lower volumes.

## Corridor Management

The Corridor Management set-aside program was created to address the growing need for KDOT, cities, and counties to jointly manage transportation corridors, particularly in high-growth developing areas. This fund is divided into two subcategories with two-thirds going to a project subcategory and one-third to a contingency subcategory. To be eligible for either category of funds, a corridor must be designated in the district plan, there must be a partnering agreement between the Secretary, city, and county, and there must be a binding corridor master plan in place.

The contingency subcategory of funds is designed to address rapidly developing areas or sites where transportation infra-
structure changes must be made to better accommodate changes in demand. This fund requires a minimum 50 percent local match for state monies. There is also a perproject maximum of $\$ 200,000$.

The project subcategory of funds is designed to assist newly developing areas in meeting the master plan or to retrofit established areas to master plan standards. Projects are solicited annually and require a minimum 33 percent local match for state monies. There is a per-project maximum of \$250,000.

In addition, Corridor Management funds may be used for advance right-ofway acquisition in some special cases.

## Railroad Crossing Surfacing

This program was established in FY 2000. Projects under this program will be for at-grade highway/railroad crossing approach and surface upgrades. Eligible crossings will be rural State Highway System crossings and State Highway System City Connecting Link crossings in cities up to 2,500 population.

Projects will be selected from applications for crossing surface improvement projects submitted by railroad companies and Districts. Project scopes will include all necessary materials and activities required for long-term crossing surface and approach improvements. These projects will be funded with 50 percent
state and 50 percent railroad company monies.

## Local Partnership Railroad Grade Separation

This is a new program established for the CTP. The Local Partnership Railroad Grade Separation Program addresses highway/railroad at-grade crossings off the State Highway System and crossings on the State Highway System, which are on lower priority routes (Route Class "D" and "E"). Project applications will be solicited from local units of government. The project sponsor will be responsible for providing 10 to 20 percent of the project funds, depending on the population of the city or county. Funds provided by the railroad company will be counted as part of the local match funds; the project sponsor will be responsible for negotiating with the railroad.

Projects will be selected based on KDOT's priority formula hazard index. This is the ranking formula also used for the Major Modification Railroad/Highway Crossing projects. The formula is based on the railroad and highway operational characteristics. Additional selection consideration will be given to projects with relatively higher rates of local and railroad match funding in order to leverage state dollars. The project selection process will also give consideration to the overall positive effects on communities.

## Intelligent Transportation Systems

 (ITS)The ITS set-aside program was established to meet the funding needs of ITS/technology-related projects in Kansas. The funding is available to apply technology such as advanced sensor, computer, electronics, and communications and management strategies to increase the safety and efficiency of the transportation system. The funding is available to both state and local agencies and is not necessarily limited to agencies that are transportation oriented. ITS has applications in urban areas, rural areas, transit, and commercial vehicle operations, and consideration for funding will be given to all of these areas.

The Bureau of Transportation Planning, along with the ITS Steering Committee, establishes project rankings based on:

1) project support and integration risks;
2) telecommunications considerations;
3) design considerations and factors of success;
4) funding sources and evaluation consideration;
5) cost effectiveness and benefits; and,
6) local funding match percentage.

Projects will be solicited annually and selected based on the

| Bridge Prionity F (Attributes/ Adjustmen | mula <br> Factor | Adjustment Factors |
| :---: | :---: | :---: |
| Attribute (Need Value) | Rel. Weight | AADT ${ }^{1}$ (See p 14) |
| Bridge Width (Driver Exposure Attribute) | 0.222 | 0 to 1 |
| Deck Condition | 0.169 | 0 to 1 |
| Structural Condition | 0.359 | 0 to 1 |
| Operating Rating | 0.250 | 0 to 1 |
| Sum of All Weights | 1.000 |  |
| ${ }^{1} \quad$ Average Annual Daily Traffic - The number of vehicles per day on a roadway segment averaged over one |  |  |

## Bridge Deck Replacement and Culvert-Bridge

Both of these categories expand the Priority Bridge program. The CulvertBridge program addresses culverts that are beyond the scope of a Substantial Maintenance project, but do not qualify for the Priority Bridge Replacement/ Rehabilitation program. The Bridge Deck Replacement program addresses bridges where the bridge superstructure and substructure are in satisfactory condition, but the bridge deck has deteriorated to the point where a Substantial Maintenance project would not be adequate.

Each District, using the Bridge Management Engineer's recommended repair list, submits prioritized lists of candidate projects to the Bureau of Design. Each candidate project is reviewed for the structure's condition history and latest inspection to confirm necessary repairs or replacement. Statewide lists are prioritized using such factors as maintenance effort, safety, traffic, and engineering judgment.The lists are submitted to the Bureau of Program and Project Management for review to confirm that each candidate structure is not programmed for future work under any other KDOT program. The prioritized lists are then merged to create the yearly statewide repair list.

## SYSTEM ENHANCEMENT PROGRAM

The System Enhancement Program is the Comprehensive Transportation Program's fourth category. System Enhancement projects relieve congestion, improve access, enhance economic development or substantially improve safety. There are three basic types of projects in this program: Corridor Improvement, Interchange/Separation Improvements and Bypass Construction. Candidate projects for this program are solicited from local units of government on a one-time basis with the selection made by the Secretary of Transportation in August 2000.

The System Enhancement Program was created during the Comprehensive Highway Program (CHP: Fiscal Years 1989-1997) and continued through the Comprehensive Transportation Program (CTP: Fiscal Years 2000-2009). With the exception of a couple carryover projects, this program has no new projects planned to be developed through Fiscal Year 2011.

## Corridor Improvement

These improvements are projects that substantially improve the capacity and serviceability of significant segments of the State Highway System.

All Corridor Improvement projects must be either on the currently approved State Highway System or must be a logical addition as determined by KDOT. Projects also must substantially improve the route's capacity and serviceability.

## Interchanges/Separation

## Improvement

These are projects that add new interchanges, improve existing interchanges or build separation structures, which reduce congestion on the Interstate or State Highway System. All Interchange/Separation additions or improvements must be on the State Highway System.

## Bypass Construction

Projects in this category provide bypasses around cities. All Bypass Construction projects must be either on the current approved State Highway System or must be a logical addition as determined by KDOT.

## TRANSPORTATION ENHANCEMENT PROGRAM

Federal statute requires that a minimum of 10 percent of the state's Federal Surface Transportation Program funding be set aside for Transportation Enhancement projects. These projects fall into three categories: historic, scenic and environmental, and pedestrian and bicycle facilities and must be directly
related to a surface transportation system. This program is funded based on an 80 percent federal/20 percent local match. Applications are solicited from cities and counties and evaluated and selected based on the criteria of the program.

## LOCAL CONSTRUCTION PROJECTS

Local governmental agencies select their projects using a number of criteria. These projects are often proposed because of safety concerns, the need to maintain existing facilities or structures, and community needs fueled by growth, or at the insistence of the public. Bridge inspection data and other management systems are available to them to assist in the selection process. KDOT provides local agencies with the amount of federal funds available for projects, based on the amount in the five-year plan.

A list of proposed projects is prepared by the local agencies, and public input is solicited. After they have been approved, the proposed projects are prioritized and submitted to KDOT's Bureau of Local Projects with proof of public involvement. The projects are programmed based on the amount of funds available.

## PROGRAM FINANCING

## FUNDING

The funding of highway improvements depends on the availability of funds and on criteria established by State and Federal law on the use of those funds. Highway projects can be financed entirely by State funds, by a combination of Federal-aid and matching State funds, or by a combination of Federal-aid or State funds and matching local funds.Project cost estimates in each year of the STIP reflect an inflation rate of approximately 3.9 percent per year. This rate is based on KDOT's historical cost trends and future cost expectations. This information is based on reasonable financial principles developed cooperatively by KDOT, the MPOs, and the public. The STIP is updated annually.

## STATE FUNDS

State sources of highway funds include motor fuels tax, sales tax, vehicle registration fees, and a number of miscellaneous fees such as drivers' license fees, mineral royalties, and signboard permit fees. The table shows the sources and amounts of State Highway Fund revenues (state sources only) projected for the FY 2008-2011 plan.


Motor fuels represent an estimated 36.8 percent and sales tax receipts represent an estimated 36.9 percent of the FY 2008-2011 state-generated highway revenues. Vehicle registration fees comprise an estimated 20.7 percent, and all other sources 5.6 percent of the total.

## FEDERAL FUNDS

The Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) was enacted on August 10, 2005. This act provides federal aid to the state and local units of government through Federal Fiscal Year (FFY) 2009. The major programs of the Act include the National Highway System (NHS), Surface Transportation Program (STP), Bridge Replacement and Rehabilitation Program,
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[^0]Interstate Maintenance (IM), Congestion Mitigation and Air Quality (CMAQ), and Safety.

A new funding program provided by SAFETEA-LU is the Equity Bonus Program. This program replaces the Minimum Guarantee Program under TEA-21 and ensures that each State's return on its share of contributions to the Highway Trust Fund (in the form of gas and other highway taxes) is at least 90.5 percent in 2005 building toward a minimum 92 percent relative rate of return by 2008. In addition, every State is guaranteed a specified rate of growth over its average annual TEA-21 funding level, regardless of its Trust Fund contributions. These funds are available to KDOT for use at its discretion, subject to existing limitation controls. In addition, funding has been earmarked for certain "high priority" projects. States also pass on a portion of federal funds to local units of government for city and county projects.

The federal government annually apportions or divides the federal-aid highway funds authorized by Congress among the states. States receive funding in each of the various program categories as specified in the federal transportation legislation. Funds for most highway programs in SAFETEA-LU are based on the state's historical share of funds received in past years. Bridge Program and Congestion Mitigation apportionments are distributed based on the states specific need for these funds.

Federal funds used for projects that are eligible under SAFETEA-LU funding categories must meet specific program objectives. For example, CMAQ funds are used for projects in the areas to help meet federal air quality standards. Currently Kansas uses CMAQ funds in the Wichita and Kansas City areas. There are numerous requirements of SAFETEA-LU which impact the use of federal funds on projects covered by the Kansas FY 2008 2011 State Transportation Improvement Program.

Congress annually sets an upper limit, termed an obligation ceiling, on the total amounts of obligations that may be incurred by each state. This limit is used as a means of controlling budget outlays to make the federal-aid highway proram responsive to the nation's current economic and budgetary conditions. The obligation limitation is typically less than the amount of federal-aid apportioned to the states.

The FFY 2008-2011 (October 1, 2007 - September 30, 2011) estimated apportionments to Kansas for all federalaid construction are shown in the chart on the next page. For programming purposes, the FFY 2008-2011 apportionments were estimated by KDOT based on data provided to Congress by the Federal Highway Administration (FHWA), on historical apportionments and on recent action taken by congressional budget committees.

FFY* 2008-2011
ESTIMATED APPORTIONMENTS (as of 09/24/2007) For KDOT, Local, Metro Projects
(\$ Millions)

|  | $\underline{2008}$ | $\underline{2009}$ | $\underline{2010}$ | $\underline{2010}$ | $\underline{\text { TOTAL }}$ |
| :--- | ---: | ---: | ---: | ---: | ---: |
| National Highway System | 86.8 | $\underline{88.2}$ | $\underline{88.2}$ | $\underline{88.2}$ | 351.4 |
| Interstate Maintenance | 63.0 | 64.0 | 64.0 | 64.0 | 254.9 |
| Surf. Transp. (KDOT) | 48.5 | 49.4 | 49.4 | 49.4 | 196.8 |
| Surf. Transp. (Local) | 20.9 | 21.3 | 21.3 | 21.3 | 84.8 |
| Surf. Transp. (Metro) | 17.8 | 18.1 | 18.1 | 18.1 | 71.9 |
| Surf. Transp. (TE) | 10.3 | 10.3 | 10.3 | 10.3 | 41.2 |
| HSIP Rail Safety | 10.9 | 11.1 | 11.1 | 11.1 | 44.1 |
| HSIP HES Safety (Inc SRTS \& HRRR) | 15.1 | 15.6 | 15.6 | 15.6 | 62.0 |
| Bridge (KDOT) | 32.3 | 32.8 | 32.8 | 32.8 | 130.7 |
| Bridge (Local) | 21.4 | 21.7 | 21.7 | 21.7 | 86.5 |
| Bridge (Metro) | 5.0 | 5.1 | 5.1 | 5.1 | 20.4 |
| Congestion Mitigation | 8.5 | 8.6 | 8.6 | 8.6 | 34.3 |
| Other | $\underline{00.7}$ | $\underline{49.9}$ | $\underline{10.1}$ | $\underline{10.1}$ | $\underline{120.8}$ |
|  |  |  |  |  |  |
| Total | 391.1 | 396.1 | 356.3 | 356.3 | $1,499.9$ |

*Federal Fiscal Year (October 1-September 30)

FFY* 2008-2011
PROJECTED OBLIGATIONS For KDOT, Local, Metro Projects (\$ Millions)

|  | $\mathrm{AC}^{* *}$ | 2008 | 2009 | 2010 | 2011 | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| National Highway System | 601.0 | 15.5 | 1.7 | 0.1 | 0.0 | 618.4 |
| Interstate Maintenance | 228.1 | 0.0 | 19.4 | 0.0 | 0.0 | 247.5 |
| Surf. Transp. (KDOT) | 251.7 | 2.4 | 59.3 | 0.0 | 0.0 | 313.4 |
| Surf. Transp. (Local) | 0.0 | 43.1 | 34.1 | 30.6 | 6.8 | 114.6 |
| Surf. Transp. (Metro) | 0.0 | 21.1 | 16.0 | 9.3 | 11.5 | 57.9 |
| Surf. Transp. (TE) | 0.0 | 24.6 | 2.4 | 0.0 | 0.0 | 26.9 |
| HSIP Rail Safety | 0.0 | 4.8 | 0.0 | 0.0 | 0.0 | 4.8 |
| HSIP HES Safety (Inc SRTS \& HRRR) | 0.0 | 6.8 | 9.3 | 0.0 | 0.0 | 16.0 |
| Bridge (KDOT) | 12.6 | 44.2 | 0.2 | 0.1 | 0.1 | 57.2 |
| Bridge (Local) | 0.0 | 32.8 | 24.9 | 7.2 | 4.8 | 69.7 |
| Bridge (Metro) | 0.0 | 4.8 | 0.0 | 2.0 | 0.0 | 6.7 |
| Congestion Mitigation | 0.0 | 7.4 | 5.0 | 5.9 | 0.0 | 18.2 |
| Other | 32.0 | 40.5 | 11.8 | 1.3 | 0.0 | 85.6 |
| Total | 1,125.4 | 248.1 | 184.0 | 56.4 | 23.1 | 1,637.0 |

*Federal Fiscal Year (October 1 - September 30)
** Advanced Construction (AC) projects current/projected to be obligated NOTE: Not all will be converted to federal funds within the STIP period

## LOCAL FUNDS

Local government sources of transportation funds include state motor fuel tax revenue received through the Special City and County Highway Fund, federal motor fuels tax revenue received from FHWA through KDOT, state funds from KDOT's local partnership program, property taxes, local option sales taxes, and bond issues. Property taxes are the largest source of transportation revenues for local governments, with much of this revenue being spent on maintenance rather than construction.

Construction funds that local governments receive from FHWA through KDOT include Surface Transportation (STP) and Bridge (BR) funds. Each year the county STP funds are distributed based on the percentage of state motor fuels tax each county received in the prior year. Small Urban STP funds are divided into three categories based on population: cities with 5,000 to 14,999 population; cities with 15,000 to 49,999 population; cities with 50,000 to 200,000 population. In each of the two smaller categories, each city within the category is given an opportunity for projects on a rotating basis. Funds within the 50,000 to 200,000 population category are distributed based on the proportion that a city's population is to the total population within that category.

KDOT maintains a $\log$ of all deficient bridges within the state. Each local government is eligible to receive a portion of
the BR funds. KDOT utilizes the proportion of deficient bridge area within their jurisdiction to the total deficient bridge area of all local jurisdictions in the state for programming these local government projects.

The Kansas Highway Program includes a number of Local Partnership Programs. In these programs, the State and local units of government share a project's cost. The City Connecting Link (KLINK) Resurfacing, Geometric Improvement, and Economic Development Programs are designed to assist local governments in making surfacing and geometric improvements on city connecting links and to finance projects that are needed as a result of rapid economic growth or to spur economic development.

The KLINK Resurfacing Program requires a minimum of 25 or 50 percent match in local funds, depending on the size of the city, and State funds are limited to a maximum of $\$ 200,000$ per project. The Geometric Improvement Program requires local matching funds on a sliding scale based on a city's population. The Economic Development Program requires a minimum of 25 percent in local matching funds.

In addition to the Local Partnership Program, local funds are utilized for some Substantial Maintenance Safety projects and Major Modification Hazard Elimination (HES) projects. KDOT may also jointly fund projects such as railroad
grade separations or with the Kansas
Turnpike Authority for projects such as the I-70/ I-470/ Oakland Expressway interchange project.

## PUBLIC TRANSIT

Kansas receives Federal-aid for transit services and related programs through the Federal Transit Act. The principal programs of the act provide funding for capital and operation assistance for transport of persons with disabilities, elderly persons and the general public. Kansas annually provides 2.4 million dollars in state funding to these public transportation programs.

## 49 USC 5304

This program provides financial assistance to states for statewide planning and other technical assistance activities (including supplementing the technical assistance program provided through the Metropolitan Planning Formula Program), planning support for nonurbanized areas, research, development and demonstration projects, fellowships for training in the public transportation field, university research, and human resource development.

Authorizations

| FY 2008 | $\$ 266,023$ |
| :--- | :--- |
| FY 2009 | $\$ 114,889$ |
| FY 2010 | $\$ 122,000$ |
| FY 2011 | $\$ 122,000$ |

Operating Costs

| FY 2008 | $\mathbf{4}$ | $\$ 157,713$ |
| :--- | :--- | :--- |
| FY 2009 | $\mathbf{4}$ | $\$ 223,199$ |
| FY 2010 | 4 | $\$ 122,000$ |
| FY 2011 | 4 | $\$ 122,000$ |

## 49 USC 5309

This program provides funds to public entities to assist in capital projects. Eligible public entities include: states; municipalities, and other political subdivisions of states; public agencies and instrumentalities of one or more states; and certain public corporations, boards, and commissions established under state law. The funds may be used for buses and related facilities, bus related ITS equipment, and construction or modernization of fixed guideway systems. The recipients of funds are usually designated by Congress.

## Authorizations

| FY 2008 | $\$ \mathbf{6 , 5 0 0 , 0 0 0}$ |
| :--- | :--- |
| FY 2009 | $\$ \mathbf{6 , 5 0 0 , 0 0 0}$ |
| FY 2010 | $\mathbf{3}, 000,000$ |
| FY 2011 | $\mathbf{\$ 3 , 0 0 0 , 0 0 0}$ |

## 49 USC 5310

This program provides funds to private nonprofit organizations to purchase vehicles and related equipment for providing transportation services to meet the special needs of elderly persons with disabilities. Grant recipients may provide service to the general public once the immediate needs of all the elderly persons and persons with disabilities have been met. Coordination of transportation services within each service area is en-
couraged in order to make the best use of existing capital resources.

Authorizations

FY 2008
FY 2009
FY 2010
FY 2011
\$1,250,000
$\$ 1,300,000$
$\$ 1,300,000$
$\$ 1,300,000$

## Vehicle Purchases

| FY 2008 | $\mathbf{3 6}$ | $\mathbf{\$ 1 , 2 5 0 , 0 0 0}$ |
| :--- | :--- | :--- |
| FY 2009 | $\mathbf{3 6}$ | $\mathbf{\$ 1 , 3 0 0 , 0 0 0}$ |
| FY2010 | $\mathbf{3 6}$ | $\mathbf{\$ 1 , 3 0 0 , 0 0 0}$ |
| FY 2011 | $\mathbf{3 0}$ | $\mathbf{\$ 1 , 3 0 0 , 0 0 0}$ |

## 49 USC 5311

The program provides funding to support non-urbanized area (under 50,000 population) transportation programs that serve elderly persons and persons with disabilities as well as the general public on a space available basis. The purpose of the program is to augment existing transportation services and to enhance access to health care, shopping, education, employment, public services, and recreation. Coordination of transportation services with existing providers in each service area important part of the program.

## Authorizations

| FY 2008 | $\$ 8,200,000$ |
| :--- | :--- |
| FY 2009 | $\$ 10,000,000$ |
| FY 2010 | $\mathbf{\$ 1 0 , 0 0 0 , 0 0 0}$ |
| FY 2011 | $\mathbf{\$ 1 0 , 0 0 0 , 0 0 0}$ |

Vehicle Purchases

| FY 2008 | 20 | $\mathbf{\$ 1 , 0 0 0 , 0 0 0}$ |
| :--- | :--- | :--- |
| FY 2009 | $\mathbf{5 0}$ | $\mathbf{\$ 2 , 5 0 0 , 0 0 0}$ |
| FY 2010 | $\mathbf{5 0}$ | $\mathbf{\$ 2 , 5 0 0 , 0 0 0}$ |
| FY 2011 | $\mathbf{5 5}$ | $\mathbf{\$ 3 , 0 0 0 , 0 0 0}$ |

## Operating Grants

| FY 2008 | 14 | $\$ 6,000,000$ |
| :--- | :--- | :--- |
| FY 2009 | 14 | $\$ 7,000,000$ |
| FY 2010 | 14 | $\$ 8,000,000$ |
| FY 2011 | 14 | $\mathbf{\$ 9 , 0 0 0 , 0 0 0}$ |

## INTERCITY BUS TRANSPORTATION

A portion of the 49 USC 5311 program is set-aside for the development and support of intercity bus transportation. Set-aside is 15 percent for each year from the annual apportionment of the 49 USC 5311 program.

Vehicle Purchases

| FY 2008 | 11 | $\$ 550,000$ |
| :--- | :--- | :--- |
| FY 2009 | 11 | $\$ 550,000$ |
| FY 2010 | 11 | $\$ 600,000$ |
| FY 2011 | 12 | $\$ 650,000$ |

Operating Grants

| FY 2008 | 10 | $\$ \mathbf{6 0 0}, 000$ |
| :--- | :--- | :--- |
| FY 2009 | 10 | $\$ 1,500,000$ |
| FY 2010 | 10 | $\$ 1,500,000$ |
| FY 2011 | 12 | $\mathbf{\$ 1 , 5 0 0 , 0 0 0}$ |

## RURAL TRANSIT ASSISTANCE PROGRAM (RTAP)

RTAP provides funding to assist in the design and implementation of training and technical assistance projects and other support services tailored to meet the specific needs of transit operators in nonurbanized areas. Each state receives an annual allocation to develop and implement training and technical assistance programs.

| Authorizations |  |
| :--- | ---: |
| FY 2008 | $\mathbf{\$ 1 6 5 , 0 0 0}$ |
| FY 2009 | $\mathbf{\$ 1 5 0 , 0 0 0}$ |
| FY 2010 | $\mathbf{\$ 1 5 5 , 0 0 0}$ |
| FY 2011 | $\mathbf{\$ 1 5 5 , 0 0 0}$ |

49 USC 5316
This program provides funds to local governmental authorities and agencies and nonprofit entities for capital and operating costs of equipment, facilities, and associated capital maintenance items related to providing access to jobs. Also included are the costs of promoting the use of transit by workers with nontraditional work schedules, promoting the use of transit vouchers, and promoting the use of employer-provided transportation including the transit benefits. For Reverse Commute grants, the following activities are eligible: operating costs, capital costs and other costs associated with reverse commute by bus, train, carpool, vans or other transit service. Job Access grants are intended to provide new transit service to assist welfare recipients and other low-income individuals in getting to jobs, training, and child care. Reverse Commute grants are designed to develop transit services to transport workers to suburban job sites.

## Authorizations

| FY 2008 | $\$ 1,184,347$ |
| :--- | :--- |
| FY 2009 | $\$ 1,400,000$ |
| FY 2010 | $\$ 750,000$ |
| FY 2011 | $\$ 750,000$ |

## METROPOLITAN <br> TRANSPORTATION IMPROVEMENT PROGRAMS

Following are the current Transportation Improvement Programs (TIPs) in effect in the five urbanized areas in Kansas. When new TIPs are adopted by each MPO, the new document will be amended into this STIP.

## Kansas City Area

FFY 2006-2010
Transportation Improvement Program
Approval by the Mid America Regional Council
Board (MARC) on October 25, 2005
Approval by KDOT on November 3, 2005
Approval by FHWA/FTA on November 9, 2005
Mid America Regional Council
600 Broadway, Suite 200
Kansas City, MO 64105
www.marc.org
Long Range Plan:"Transportation Outlook 2030 Update"
Approval Date: October 25, 2005
Expiration Date: October 25, 2010

## Wichita Area

FY 2006-2010
Transportation Improvement Program Wichita-Sedgwick County

Metropolitan Area

Approval by the Wichita Area Metropolitan Planning Organization on November 17, 2005

Approval by KDOT on November 29, 2005
Approval by FHWA/FTA on December 9, 2005
Wichita Area Metropolitan Planning
Organization
455 N. Main
Wichita, KS 67202
www.wichita.gov/cityoffices/planning

Long Range Plan: "2030 Transportation Plan for the Wichita-Sedgwick County Metropolitan Area"
Approval Date: August 25, 2005
Expiration Date: August 25, 2010

## Topeka Area

## Transportation Improvement Program <br> Topeka Metro Area <br> FFY 2007-2010 Planning Program

Approval by the Topeka Metropolitan Planning Organization on April 27, 2006.

Approval by KDOT on May, 1, 2006
Approval by FHWA/FTA on May 4, 2006
Topeka Metropolitan Planning
515 S. Kansas, Suite 404
Topeka, KS 66603
www.topeka.org/planning
Long Range Plan: "2030 Regional Transportation Plan for the Topeka-Shawnee County Region of Kansas"
Approval Date: April 26, 2007
Expiration Date: April 26, 2012

## Lawrence Area

## Transportation Improvement Program For the Lawrence Urbanized Area FY 2006-2009

Approval by the Lawrence-Douglas County Metropolitan Planning Commission on December 14, 2005

Approval by KDOT on February 23, 2006
Approval by FHWA/FTA on March 6, 2006
Lawrence-Douglas County Metropolitan
Planning Office
6 East 6th Street, Box 708
Lawrence, KS 66044
www.lawrenceplanning.org
Long Range Plan: "Transportation 2025
Lawrence/Douglas County Long Range Transportation Plan"
Approval Date: September 25, 2002
Expiration Date: September 25, 2007

## St. Joseph Area

Transportation Improvement Program For the St. Joseph Area FY 2008-2011

Approval by the St. Joseph Metropolitan Planning Commission in June 2007

There were no Kansas projects to be approved by KDOT or the Kansas Division of FHWA/FTA.

St. Joseph Metropolitan Planning Office
1100 Frederick Avenue, Room 204
St. Joseph, MO 64501
www.ci.st-joseph.mo.us/transportation_improvements.html
Long Range Plan: "St. Joseph 2020: Vision for the Future"
Approval Date: February 10, 2005
Expiration Date: February 10, 2010

## FEDERAL LANDS HIGHWAY PROGRAM

The Federal Lands Highway (FLH) Program was established to allow for all federally owned public roads to be treated under uniform policies similar to the policies that apply to federal-aid highways. Funding is provided for several categories of Federal Lands highways including Park Roads and Parkways, Indian Reservation Roads (IRR), Public Lands Highways (discretionary and Forest Highways), and Refuge Roads, which provide access to or within the National Wildlife Refuge System. FLH funds may be used for transit facilities within public lands, national parks, and Indian reservations and may also be used as the state/local match for most types of federal-aid highway funded projects.

## Federal Lands Highway Projects

Projects to be included in KDOT's Fiscal Year 2008-2011 STIP may be found on the following pages.

## Indian Reservation Road Projects

Four Indian reservations are contained or partially contained within the State of Kansas.

The four Indian Nations receive federal funding for roads and bridges from the

FLH Program. The funds are administered through the Bureau of Indian Affairs (BIA). Projects in this program are provided by the Federal Highway Administration (FHWA).

The four Indian Nations in Kansas are:

Prairie Band of Potawatomi Indians, located in Jackson County

> Kickapoo Nation of Kansas, located in Brown County

Sac and Fox Nation of Missouri, located in Brown County, Kansas and Richardson County, Nebraska

Iowa Tribe of Kansas and Nebraska, located in Brown County, Kansas and Doniphan County, Kansas and Richardson County, Nebraska

## PROJECTS ADMINISTERED BY KDOT

This section consists of a list of projects the Kansas Department of Transportation will administer for the period October 1, 2007, through September 30, 2011. The projects are broken down by work phase, with each work phase reported by the federal fiscal year it is expected to begin.

The listing contains the following project related information:

- Route
- County
- KDOT Project Number
- Project Description/Location
- Work Type - the type of work to be accomplished by the project
- Project Length (in miles)
- Fund Category Code - how the project is funded. A line is shown for each type of fund used on a project.
- Prorata - the percentage of the funds for the work phase being contributed by the fund category
- Work Phase Estimate - the estimated cost to complete the work phase
- Expected Federal Aid to Obligate - the amount of federal aid expected to be obligated for the work phase by fund category. This only applies when the fund category is a federal fund; all others will show $\$ 0$.

For your convenience, the table below defines the various work types found in the list.

| ASPH | ASPHALTPAVEMENT SHOULDERS |
| :--- | :--- |
| BR | BRIDGE |
| BR-OL | BRIDGEOVERLAY |
| BR-WD | BRIDGEWIDEN |
| BRDEC | BRIDGEDECK |
| BRPNT | BRIDGEPAINT |
| BRREM | BRIDGEREMOVAL |
| BRRPL | BRIDGEREPLACEMENT |
| BRRPR | BRIDGEREPAIR |
| BRSUB | BRIDGESUBSTRUCTURE |
| BRSUP | BRIDGESUPERSTRUCTURE |
| CBGUT | CURB \&GUTTER |
| CONC | CONCRETEPAVEMENT/SHOULDERS |
| CONVT | CONVENTIONALSEAL |
| CRRPR | CRACKREPAIR |
| CULV | CULVERT |
| DECK | BRIDGEDECK |
| DET | DETOUR(S) |
| FENCE | FENCING |
| FLTSG | FLASHINGLIGHT SIGNALS |
| FUNDS | FUNDSONLY |
| GDFC | GUARDFENCE |
| GGMOD | GORE\&GUARDFENCE |
| GR | GRADING |
| GR-CU | GRADE\&CULVERT |
| GRBR | GRADE\&BRIDGE |
| GRBRS | GRADE,BRIDGE \&SUFACING |
| GRSU | GRADE\&SURFACING |
| HSPRV | HISTORICALPRESERVATION |
| INTCH | INTERCHANGE/S |
| INTER | INTERSECTIONIMPROVEMENT |
| LNDBT | LANDSCAPINGANDBEAUTIFICATION |
| LPA | LPAAGREEMENTS |
| LT | LIGHTING |
| MACHE | MACHINESEAL |
| MILLG | MILLING |
| MILOV | MILL\& OVERLAY |
| MITWP | MITIGATIONOFWATER POLLUTION |
| MIXNG | MIXINGASPHALT\&AGGREGATE |
| MTREG | REGULARMAINTENANCE |
| O-LAY | OVERLAY |
| OL-GG | O-LAY,GORE,GUARDFENCE |
| OL-SH | O-LAY\& SHOULDER |
| OL-WD | O-LAY,SHOULDER,WIDENING |
|  |  |


| PARK | STATE PARK ROADS | Cxxxx | COUNTYFUNDS |
| :---: | :---: | :---: | :---: |
| PATCH | PAVEMENTPATCHING | CMQ | CONGESTION MITIGATION |
| PAVMK | PAVEMENT MARKING | CSI | R \& D - ADMINISTRATIONFUNDS |
| PAVRC | PAVEMENT RECONSTRUCTION | DE | DEMOPROJECTS |
| PD-OP | PEDESTRIAN OVERPASS | DPC | CONGESTION RELIEFPROGRAM |
| PE | PRELIMINARY ENGINEERING | DPR | DEMOPROJECTS - RURAL ACCESS |
| PEDBI | PEDESTRIAN \& BICYCLE PATHS | DPI | DEMOPROJECTS - INNOVATIVE |
| PEROW | PRELIMENGINEERING \& RIGHT OF WAY | FRA | FEDERALRAIL ADMINISTRATION |
| PERWU | PRELIM ENGINEERING ROW \& UTILITIES | FTA | TRANSFER FROMFTA |
| RAMP | RAMP IMPROVEMENT | HPD | HIGH PRIORITY DEMO PROJECTS |
| RCYLE | RECYCLE \& OVERLAY | HPS | HIGHWAY PROJECT DEMOS - S378 |
| ROCK | ROCK SHOULDERS | IM | INTERSTATEMAINTENANCE |
| ROHTB | REHAB \& OPRTN HIST TRANS BLDG | K | STATECONSTRUCTION |
| ROW | RIGHT OF WAY | KCCRR | KCC-RAILROADCROSSING |
| RRIMP | RAILROADIMPROVEMENT | KLINK | CITY CONNECTINGLINK |
| RSIMP | ROADSIDE IMPROVEMENT | MARC | METROAREA REGION PLANCU |
| SCREN | SCREENING | MGL | MINIMUM GUARANTEE LIMIT |
| SEAL | SEALING | NHS | NATIONAL HIGHWAY SYSTEM |
| SEED | SEEDINGSODDING | NHSI | NHS - INTERSTATE |
| SG | SIGNING | NHTSA | NATIONAL HIGHWAYTRAFFIC SAFETY |
| SGROL | SPOT GRADE \& OVERLAY |  | ADMINISTRATION |
| SHHWP | SCENIC OR HISTORIC HIGHWAY | OJTME | ON-THE-JOB TRAINING/MBE |
|  | PROGRAMS | REIM | REIMBURSEMENTFUNDS |
| SHLD | SHOULDERS | RR | MISCELLANEOUS RAILROAD |
| SLIDE | SLIDE REPAIR | SB | SCENIC BYWAYS PROGRAM |
| SLURY | SLURRYSEAL | SBS | SEATBELTINCENTIVE GRANT |
| SPECL | SPECIAL | STP | SURFACE TRANSPORTATION PROGRAM |
| SRA | SAFETY REST AREA | STPI | STPFUNDINGINTERSTATE PROJECTS |
| STUDY | LOCATIONSTUDY | TEA | TRANSPORTATION ENHANCEMENT |
| SU | SURFACING |  | PROGRAM |
| SU-BR | SURFACE \& BRIDGES | Uxxxx | URBANFUNDS |
| SU-SG | SURFACING \& SIGNING |  |  |
| SUSGL | SURFACING, SIGNING \& LIGHTING |  |  |
| TRSGN | TRAFFIC SIGNALS |  |  |
| TURF | TURF SHOULDERS |  |  |
| UTIL | UTILITY |  |  |
| 1.0OL | 1 INCHOVERLAY |  |  |
| 1.5OL | 1.5 INCHOVERLAY |  |  |

For your convenience, the table below defines the various fund categories found in the list.

| ACxxx | ADVANCEDCONSTRUCTION |
| :--- | :--- |
| ART | THIN BONDED OVERLAY PROGRAM |
| BHF | BRIDGEREHABILITATION-PRIMARY |
| BHM | BRIDGEREHABILITATION-CITY |
| BHO | BRIDGEREHABILITIATION-OFF-SYSTEM |
| BHS | BRIDGEREHABILITATION-STATE |
| BRF | BRIDGEREPLACEMENT-PRIMARY |
| BRM | BRIDGEREPLACEMENT-URBAN |
| BRO | BRIDGEREPLACEMENT-OFF-SYSTEM |
| BRS | BRIDGEREPLACEMENT-STATE |


| 9＊998\＄ | LSt\＄ | 00．08 | Oप9 | 86で0 | Sप9 ${ }^{\text {a }}$ |  | 10－8て0t－ | NMOYG | 00000 |  |  |  |  |  |
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| 0＊181\＄ | 181\＄ | 00．001 | dISH | 0000 | SSㄱํ |  | 10－6892－X | Nogy |  |  |  |  |  |  |
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| 0．102\＄ | 10こ\＄ | 00．001 | dISH | 0000 | ソSㄱํ |  | 10－1992－X | NOıY 7 g |  |  |  |  |  |  |
| 0．0\＄ | こんで1\＄ | 00．001 | Y | 969＊6 | 」ヘNOO |  | 10－LLOL－$\because>1$ | NOı ${ }^{\text {a }}$ | 9907 |  |  |  |  |  |
| 0．0\＄ | SヤE\＄ | 00．001 | Y | G168 | 」＾NOO |  | $10-\varepsilon L 01-\forall \lambda$ | NOıY $\forall 8$ | 1820 |  |  |  |  |  |
| 0．0\＄ | と88\＄ | 00．001 | $\underline{1}$ | こてG＇11 | 入पП7S |  | $10-7901-\forall \lambda$ | NO」Y ${ }^{\text {a }}$ | 990］ |  |  |  |  |  |
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| 0．0\＄ | 09L＇L\＄ | 99＇62 | Y | L6t＇0 | nsyo |  | 10－6008－ | ヨヨソОบヨНО | $690 \cap$ |
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| 0．0\＄ | $6 \mathrm{t9} 9^{\prime} \downarrow$ \＄ | 00．02 | 80003 | LLS＇t | Sપg8y |  | 10－L898－$\bigcirc$ | บヨา 1 ก8 | 68000 |
| 0．0\＄ | ع61\＄ | 00＇¢ | 01800 | $666{ }^{\circ}$ | MO7IW |  | 10－8802－ 0 | NMOY8 | $\varepsilon \angle 0 \cap$ |
| 0．0\＄ | 861\＄ | 00＇G $\angle$ | YNIT\ | $666^{\circ} 0$ | ＾O7IW |  | 10－8802－ 0 | NMOYG | $\varepsilon \angle 0 \cap$ |
| 0．0\＄ | 98ع＇เ\＄ | 00．001 | Y | 680＇EL | 709＇ |  |  | NMOY8 | S $\angle 00$ |
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| 0．0\＄ | $\angle\left\llcorner 8^{\prime} \stackrel{\text { d }}{ }\right.$ | 90．99 | ¢ $\exists$ H | OGで0 | Y ${ }^{\text {I }}$ NI |  | $10-7 \angle 10-\forall>$ | NMOY8 | 0Z0¢ |
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| て＇1L2\＄ | 6ع\＆\＄ | 00.08 | O¢8 | 000＇0 | Sugy |  | 10－てしで－$\bigcirc$ | NMOY8 | 00003 |
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|  | әுеш！！sヨ әseपd Y10 M | eleaod |  | प†6uә7 loə［0ıd | $\begin{aligned} & \hline \partial d K_{\perp} \\ & 410 \mathrm{M} \end{aligned}$ |  | dequnN ¡oəlodd | әuren Kıunoう | əұnoy |

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| Route | County Name | Project <br> Number | Project Description/Location | Work <br> Type | Project Length | Fund Category Code | Prorata | Work <br> Phase <br> Estimate | Expected Federal Aid To Obligate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| U069A | CHEROKEE | X -2648-01 | BNSF \& US-69 ALT NORTH OF RIVERTON | FLTSG | 0.000 | HSIP | 100.00 | \$151 | \$151.0 |
|  | CHEROKEE | X -2688-01 | BNSF \& QUAKER ROAD NE OF BAXTER SPRINGS | FLTSG | 0.000 | HSIP | 100.00 | \$281 | \$281.0 |
| K102 | CHEROKEE | X -2689-01 | SKOL RR \& K-102 AT CARONA | SU | 0.000 | RR | 50.00 | \$38 | \$0.0 |
| K102 | CHEROKEE | X -2689-01 | SKOL RR \& K-102 AT CARONA | SU | 0.000 | STATE | 50.00 | \$38 | \$0.0 |
| U283 | CLARK | KA-1088-01 | JCT K-160/US-283 NORTH TO JCT US-54/US-283 | 1.00L | 11.512 | K | 100.00 | \$1,522 | \$0.0 |
| K094 | CLARK | KA-1094-01 | BEGIN AT K-13 NORTH TO CLARK/FORD COUNTY LINE | CONVT | 6.880 | K | 100.00 | \$221 | \$0.0 |
| C0123 | CLAY | C-4130-01 | 5.2 MI S OF CLIFTON | GRBRS | 0.200 | BRS | 80.00 | \$653 | \$522.4 |
| C0123 | CLAY | C -4130-01 | 5.2 MI S OF CLIFTON | GRBRS | 0.200 | C0014 | 20.00 | \$653 | \$0.0 |
| K009 | CLAY | KA-0880-01 | BRIDGE 9-14 (29);4.54 MILES WEST OF K-15 | BRRPR | 0.000 | K | 100.00 | \$167 | \$0.0 |
| K015 | CLAY | KA-0973-01 | DICKINSON/CLAY CO LN;N TO S CITY LIMITS OF CLAY CENTER | CONVT | 16.146 | K | 100.00 | \$1,736 | \$0.0 |
| K197 | CLAY | KA-0986-01 | DICKINSON/CLAY COUNTY LINE EAST TO JCT K-15/K-197 | CONVT | 0.304 | K | 100.00 | \$26 | \$0.0 |
| U024 | CLAY | U-2082-01 | WCL TO EWS HUNTRESS/SPRING CREEK BR ON CRAWFORD (US-24) | MILOV | 0.530 | KLINK | 75.00 | \$266 | \$0.0 |
| U024 | CLAY | U-2082-01 | WCL TO EWS HUNTRESS/SPRING CREEK BR ON CRAWFORD (US-24) | MILOV | 0.530 | U0120 | 25.00 | \$266 | \$0.0 |
| C0000 | CLOUD | C -3919-01 | 2.0 MI S \& 4.5 MI W OF CONCORDIA | GRBR | 0.298 | BRO | 80.00 | \$327 | \$261.6 |
| C0000 | CLOUD | C-3919-01 | 2.0 MI S \& 4.5 MI W OF CONCORDIA | GRBR | 0.298 | C0015 | 20.00 | \$327 | \$0.0 |
| K009 | CLOUD | KA-0881-01 | BRIDGE 9-15 (31);2.16 MILES EAST US-81 | BRRPR | 0.000 | K | 100.00 | \$111 | \$0.0 |
| U024 | CLOUD | KA-0987-01 | MITCHELL/CLOUD COUNTY LINE EAST TO JCT K-189/US-24 | SLURY | 27.189 | K | 100.00 | \$2,260 | \$0.0 |
| U075 | COFFEY | K -7415-01 | 0.2 KM S OF OLD US-50(RS 2066), N TO 1.6 KM N OLD US-50 | SU | 1.129 | ACNHS | 80.00 | \$3,293 | \$2,634.4 |
| U075 | COFFEY | K -7415-01 | 0.2 KM S OF OLD US-50(RS 2066), N TO 1.6 KM N OLD US-50 | SU | 1.129 | K | 20.00 | \$3,293 | \$0.0 |
| K031 | COFFEY | U-1905-01 | WAVERLY: PIERSON STREET(K-31), 6TH TO 1ST | GRSU | 0.204 | KLINK | 75.00 | \$702 | \$0.0 |
| K031 | COFFEY | U-1905-01 | WAVERLY: PIERSON STREET(K-31), 6TH TO 1ST | GRSU | 0.204 | U0579 | 25.00 | \$702 | \$0.0 |
|  | COFFEY | U -2036-01 | BURLINGTON: 3RD STREET OVER ROCK CREEK | GRBRS | 0.200 | BRO | 80.00 | \$1,087 | \$869.6 |
|  | COFFEY | U-2036-01 | BURLINGTON: 3RD STREET OVER ROCK CREEK | GRBRS | 0.200 | U0076 | 20.00 | \$1,087 | \$0.0 |
| C0164 | COWLEY | C -4219-01 | INTERSECTION OF RS-164 \& US-160 | INTER | 0.200 | C0018 | 20.00 | \$550 | \$0.0 |
| C0164 | COWLEY | C-4219-01 | INTERSECTION OF RS-164 \& US-160 | INTER | 0.200 | STP | 80.00 | \$550 | \$440.0 |
|  | COWLEY | K -9469-01 | BNSF CROSSING AT KANSAS AVENUE IN ARKANSAS CITY | GRBRS | 1.000 | K | 84.23 | \$5,547 | \$0.0 |
|  | COWLEY | K -9469-01 | BNSF CROSSING AT KANSAS AVENUE IN ARKANSAS CITY | GRBRS | 1.000 | U0030 | 15.77 | \$5,547 | \$0.0 |
| K055 | COWLEY | KA-1071-01 | SUMNER/COWLEY COUNTY LINE E TO W CITY LIMITS OF UDALL | CONVT | 1.909 | K | 100.00 | \$164 | \$0.0 |
| K015 | COWLEY | KA-1078-01 | JCT US-77/K-15 WEST TO EAST CITY LIMITS OF UDALL | CONVT | 6.053 | K | 100.00 | \$196 | \$0.0 |
|  | COWLEY | TE-0283-01 | ALONG LEVEE:PARIS PRK TO S SUMMIT \& ACPC PRK - ARK CITY | PEDBI | 2.750 | TEA | 70.00 | \$1,485 | \$1,039.5 |
|  | COWLEY | TE-0283-01 | ALONG LEVEE:PARIS PRK TO S SUMMIT \& ACPC PRK - ARK CITY | PEDBI | 2.750 | U0030 | 30.00 | \$1,485 | \$0.0 |
| U166 | COWLEY | U -2078-01 | MONROE AVE TO US-166/US-77 BYPASS ON SUMMIT ST (US-166) | MILOV | 0.369 | KLINK | 50.00 | \$264 | \$0.0 |
| U166 | COWLEY | U-2078-01 | MONROE AVE TO US-166/US-77 BYPASS ON SUMMIT ST (US-166) | MILOV | 0.369 | U0030 | 50.00 | \$264 | \$0.0 |
|  | COWLEY | U -2118-01 | ARKANSAS CITY: N 15TH STREET OVER C STREET CANAL | GRBRS | 0.000 | BRM | 80.00 | \$244 | \$195.2 |
|  | COWLEY | U -2118-01 | ARKANSAS CITY: N 15TH STREET OVER C STREET CANAL | GRBRS | 0.000 | U0030 | 20.00 | \$244 | \$0.0 |
| C0000 | CRAWFORD | C -4133-01 | 3.0 MI W OF PITTSBURG \& 0.5 MI S OF K-126 | GRBRS | 0.300 | BRO | 80.00 | \$670 | \$536.0 |
| C0000 | CRAWFORD | C-4133-01 | 3.0 MI W OF PITTSBURG \& 0.5 MI S OF K-126 | GRBRS | 0.300 | C0019 | 20.00 | \$670 | \$0.0 |
| C0000 | CRAWFORD | C-4221-01 | 6.0 MI S \& 1.3 MI W OF GIRARD | GRBR | 0.150 | BRO | 80.00 | \$145 | \$116.0 |
| C0000 | CRAWFORD | C-4221-01 | 6.0 MI S \& 1.3 MI W OF GIRARD | GRBR | 0.150 | C0019 | 20.00 | \$145 | \$0.0 |
| C2189 | CRAWFORD | C-4222-01 | 2.0 MI S \& 2.8 MI E OF PITTSBURG | GRBR | 0.150 | BRS | 80.00 | \$481 | \$384.8 |
| C2189 | CRAWFORD | C-4222-01 | 2.0 MI S \& 2.8 MI E OF PITTSBURG | GRBR | 0.150 | C0019 | 20.00 | \$481 | \$0.0 |


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| 9＊261\＄ | くちて\＄ | 00：08 | Oपg | 00で0 | प9y9 |  | 10－szてt－ 5 |  | 00000 |
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| 0．191\＄ | 191\＄ | 00．001 | dISH | 000＇0 | ソSㄴํ |  | 10－をt92－ X | वपOヨMVบつ |  |
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| 0＊9くガレ\＄ | St8＇1\＄ | 0008 | WY8 | 66100 | y8y9 |  | 10－0002－ 0 | वบOヨMVYつ |  |
| 00\＄ | LLヤ゙し\＄ | 00．02 | 0LSOn | L6t＇0 | กSy |  | 10－6661－ 0 | वपOヨMVYつ |  |
| 9＊181＇L\＄ | LLロ＇レ\＄ | $00 \cdot 08$ | d 1 S | L6t＇0 | กSy |  | 10－6661－ก | वบOヨMVYつ |  |
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| E＇S8E\＄ | 28t\＄ | 00：08 | $\forall \exists \perp$ | 000＇1 | 1803 d |  | 10－0820－31 | वपОヨMVYつ |  |
| 00\％ | LSL\＄ | 00．001 | Y | 008＇Z | 700＇ | N7ヨ | $10-\varepsilon S 01-\forall>1$ | वपОヨMVपО | 921） |
| 00\％ | GSE\＄ | 00．001 | Y | 000＇9 | 700＇t |  | 10－zSOL－${ }^{\text {－}}$ | वบOヨMVYつ | 921＞1 |
| 00\＄ | 乙\＆乙\＄ | 00．001 | Y | 008＇1 | $\pm$ NNOO |  | $10-\varepsilon \dagger 01-\forall>\mid$ | वपОヨMVYつ | 690＾ |
| ә䒑еб！｜！90 О1 p！$\forall$ ןеләрә」 рə！っədxヨ | әуеш！！！马 әseud y10 M | Eledodd | әроэ кıobə⿰丬犬 pun」 |  | $\begin{aligned} & \hline \partial d K_{\perp} \\ & 410 \mathrm{M} \end{aligned}$ |  | dequnN ןoelodd | әmen Kıunoう | əұnoy |


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| 00\％ | Sカ1\＄ | 00．02 | 18000 | 0010 | Sy8y9 | 人 | 10－8とをt－ 3 | 人บヤヨワ | 00003 |
| 0．912 | St1\＄ | $00 \cdot 08$ | Oपg | 0010 | Sy9yb | 人」lO NOILONกగ 」O M IW 0 ${ }^{\circ}$ | 10－88をt－ 0 | 人บヤヨワ | 00003 |
| 00\＄ | 98ャ\＄ | 00．02 | 18000 | OSで0 | Sy9y9 | 人LIO NOILONก |  | 人บヤヨワ | 00003 |
| 8＇888\＄ | 98ャ\＄ | 00008 | Oप9 | 09で0 | Şgay |  | 10－をカで－ 0 | 人ソヤヨソ | 00000 |
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| 00\＄ | 967＇S\＄ | 00．02 | 0＜LOח | ャ660 | กSy̧ |  | 10－91Lて－ | － ¢OJ $^{\text {d }}$ |  |
| て＇189＇¢\＄ | 96ち＇S\＄ | 86.99 | OdH | ャ660 | กSy |  | 10－91．LZ－ | －$\square_{\text {¢ }}$ |  |
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| 00\＄ | $9 \dagger \angle \$$ | 00．001 | Y | 6S6＇t | 1＾NOO |  | 10－$\angle 801-\forall \$ & वYO」 & 990n  \hline 00\＄ & とトで। & 00．001 & Y & 0¢s＇Z1 & 」＾NOO &  & 10－9801－${ }^{102}$ | वYO］ | 00ヶก |
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| L＇0と0＇ャレ\＄ | 8 $29 \times 0$ ¢ | 18＇St | OdH | $8 \downarrow 9$＇Z | Sy9y9 |  | 10－LEZ8－${ }^{\text {－}}$ | － | 00ヶก |
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| 1－0¢t\＄ | 88S\＄ | $00 \cdot 08$ | $\forall \exists \perp$ | カレガ0 | 190N7 |  | 10－ヤ620－ヨı | $\wedge \exists \mathrm{NNIJ}$ | 9880n |
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| E＇SOS\＄ | 289\＄ | 00．08 | $\forall \exists \perp$ | 00ع＇乙 | $1807 d$ |  | 10－1ヵ20－ヨı | $\wedge \exists \mathrm{NNIJ}$ |  |
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| 00\％ | ع06＇こ\＄ | 00001 | $\lambda$ | 669＇ 1 | $7 \mathrm{OS}^{\prime}$ |  |  | $\wedge \exists \mathrm{NNIJ}$ | 880ก |
| 0＇0\＄ | 1عL\＄ | 00．001 | ， | 020＇E | 709＇1 |  |  | $\wedge \exists \mathrm{NNIG}$ | 090n |
| 00\＄ | Oヤt\＄ | 00．01 | 0ヵてOn | 000＇0 | N⿹SU1 |  | 10－9280－${ }^{\text {a }}$ | $\wedge \exists \mathrm{NNIJ}$ | 9090n |
| 0＇0\＄ | Ott\＄ | $00 \cdot 06$ | Y | 0000 | NSSU1 |  |  | $\wedge$ \3NNI」 | 90900 |
| 00\％ | Oヤt\＄ | 00＇001 | H | 000＇0 | ydyy |  | 10－0SS0－V＞ | $\wedge \exists \mathrm{NNİ}$ | 9S1＞1 |
| 0．0\＄ | SSt\＄ | 00＇s | 0ヶてOn | 00で0 | กSy |  | 10－96 ${ }^{\text {－}}$－ | 入 $\mathrm{BNNI}^{\text {a }}$ | 9880ก |
| 00\％ | SSt\＄ | 00＇98 | － | 00で0 | กSy |  | 10－96 ${ }^{\text {c－}}$ | $\wedge \exists \mathrm{NNİ}$ | 8880n |
| 0＇0\＄ | 628＇1\＄ | 00＇001 | Y | Sカナ＊91 | $7 \mathrm{OS}^{\circ}$ |  | 10－ $2660-\forall>1$ | HICOMS77］ | 0ャトV |
| 00\％ | L9ヵ\＄ | 00．001 | $\checkmark$ | 000＇0 | ydyy |  | 10－z880－ヲ＞ | HıYOMS77ヨ | 0＜O1 |
| 00\＄ | Lてヤ\＄ | 00．02 | L2000 | 09で0 | प9y9 |  | 10－18でー 0 | HIYOMS77 | 98200 |
| 9＊レセ¢ | Lてゆ\＄ | 00.08 | Sy8 | OSで0 | ygy | NOS7IM JO ヨ IW t＊\％S IW 8＊Z | 10－1عで－ 5 | HıYOMS77 | 9820 |
| 0＇0\＄ | દย乙\＄ | 00．02 | L200） | 09で0 | प9y9 |  | 10－6zで－ 5 | HIYOMS77 | 00003 |
| ¢．981\＄ | દย乙\＄ | $00 \cdot 08$ | O¢8 | OGZ＇0 | प9y9 |  | 10－6てZて－ 5 | HıYOMS77］ | 00000 |
| 00\％ | St8＇乙\＄ | 00．02 | 0620n | 000＇1 | Şy9y |  | 10－ヶ902－$\cap$ | S177 |  |
| 0．9Lでて\＄ | St8＇て\＄ | 00．08 | d 1 S | 000\％ | Sy8y9 |  | 10－ヤ902－ 0 | S177 |  |
| 00\％ | ZLE＇¢\＄ | 00＇001 | H | Sトで1を | 人 $\forall$ ¢－O |  | 10－L91L－Vy | S177 | 0201 |
|  | әெеш！！！sヨ әseчd у10 M | Elenodd | әроう киобәəеう pun」 |  | $\begin{aligned} & \hline \partial d K_{\perp} \\ & 410 \mathrm{M} \end{aligned}$ |  | dequnN foolodd | әmen Kıunoo | әłnoy |


| 8．029\＄ | 9LL\＄ | 00：08 | d $\perp$ S | S10．9 | nS | ヨ円ـヨา8กS $\ddagger$ M IW 0．9 8 N IW 0．8 | 10－てع88－Э | $77 \exists Y$ VH｜ | 29610 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0．0\＄ | 9LL\＄ | 00：02 | $1 \downarrow 000$ | S109 | กS |  | เ0－乙と8と－ | $77 \exists 习$ 壮 | 29610 |
| 0．0\＄ | 00ع＇เ\＄ | 00\％09 | 00G0ก | 9LG＇Z | ＾O7IW |  | 10－9602－ | $\wedge \exists \wedge$ V | G10Y |
| 0．0\＄ | 00ع＇เ\＄ | 00．09 | YNI7Y | 9 ${ }^{\circ} \mathrm{C}$ | ＾O7IN |  | ト0－960て－ |  | G10¢ |
| 0 0\＄ | Lて\＄ | 00．02 | 七0ャ0ก | 0000 | 180N7 |  | 10－8180－ヨ1 | $\wedge \exists \wedge \cup \forall H$ |  |
| L＇91\＄ | LC\＄ | 00：08 | $\forall \exists \perp$ | 0000 | 180N7 |  | 10－8180－ヨ1 |  |  |
| 0．EGZ\＄ | EGZ\＄ | 00．001 | SıUS | 000 1 | $180 \exists \mathrm{~d}$ | YOIMЮОヨS 」O 人1IO | ト0－トロガー |  |  |
| 0．829\＄ | S8L\＄ | 00.08 | d $\perp$ S | 0010 | sप9y9 | NOLSSEH $\ddagger$ S SIW $0{ }^{\circ} \mathrm{L}$ | ト0－0GレV－ |  | 七0800 |
| 0．0\＄ | G8L\＄ | 00：02 | 0ャ00つ | 0010 | sy9y⿹ |  | 10－0G1ヵ－ | $\wedge \exists \wedge$ 相 | $\bigcirc 0 \varepsilon 0 \bigcirc$ |
| 0．0\＄ | S1．${ }^{\text {S }}$ | 00＇9己 | GEZ0ก | $889^{\circ} 0$ | ＾O7IN | 乙－У NO 7ON O1＇091－Sก H | 10－ 280 －$^{\text {－}}$ | ¢ヨd ${ }^{\text {d }}$ | 200\1 |
| 0．0\＄ | S1レ\＄ | 00＇GL | YNI7¢1 | $889^{\circ} 0$ | ＾O7IIN | 乙－У NO 7ON O1＇091－Sก H | 10－L802－ | ¢ヨd ${ }^{\text {d }}$ | 200\1 |
| 0．0\＄ | L61\＄ | 00＇s | 0200n | Z0G＊0 | $\lambda$ ¢ $\cap 7$ S | （乙－＞1）ヨПNヨ＾＊⿹877 NO 7ON ヨH O | 10－LLOZ－ | ¢ $\exists$ d ${ }^{\text {d }}$ | 200\1 |
| $00 \$$ | L6L\＄ | 00＇9L | YNI7¢ | ZOG＇0 | 人 $\mathrm{C} \cap 7 \mathrm{~S}$ |  | 10－LLOZ－ | y ${ }^{\text {d }}$ d ${ }^{\text {d }}$ | 2001 |
| 0．0\＄ | 109\＄ | 00．001 | H | 8SガL | 1＾NOO |  | 10－GLOL－$\because \ 1$ | ¢ヨd ${ }^{\text {d }}$ | ヤ10¢ |
| 0．0\＄ | E68\＄ | 00．001 | $\lambda$ | 980 11 | 1＾NOO |  | $10-7 \angle 01-\forall>1$ | पヨd ${ }^{\text {d }}$ | 6L1 |
| 0．0\＄ | L98＇ 1 \＄ | 00．001 | Y | 七60．91 | ヨา人つบ |  | $10-8801-\forall \lambda$ | NOL | 090n |
| 0．0\＄ | 616＇1\＄ | 00．001 | Y | 88L＇と乙 | 1＾NOO |  | $10-8\rangle 01-\forall \lambda$ | OOOMNヨヨบจ | 660자 |
| 0＇レカレ\＄ | くヤレ\＄ | 00．001 | dISH | くレー゙8\＆ト | 勺S |  | 七0－tGZ9－ | OOOMNヨヨบУ | 660Y |
| 8．980＇1\＄ | 96て＇เ\＄ | $00 \cdot 08$ | d $\perp$ S | 009＇t | กSy9 |  | ト0－0カレヤ－ | OOOMNヨヨy勺 | 09100 |
| 0．0\＄ | 96て＇เ\＄ | 00．02 | LE00 | 00G ${ }^{\text {¢ }}$ | กSY勺 |  | ト0－0カレー | OOOMNヨヨบ̧ | 09100 |
| 0．0\＄ | 9Lて＇เ\＄ | L＇$\dagger$ | 67 G0ก | S1で0 | กSy9 |  | 10－ $2910-\forall \lambda$ | 人ヨาヨヨไワ | LZOX |
| 0．0\＄ | 9Lでเ\＄ | E9＇96 | $\lambda$ | G1で0 | กSY૭ |  | $10-\angle S 10-\forall \lambda$ | 人ヨาヨゴ | LZOX |
| $0.0 \$$ | L86\＄ | 00．001 | Y | ャてで0 | กSy9 |  | 10－St06－ | 人＊ | 090n |
| 0．0\＄ | G0E\＄ | 00＇92 | GSG0ก | Z8L＇0 | ＾O7IN |  | เ0－Z01て－ | 」NVY勺 | 091ก |
| 0．0\＄ | G0E\＄ | 00＇9L | YNI7） | 28L＇0 | ＾O7IN |  | เ0－Z01て－ | $\perp N \forall Y$－ | 0910 |
| 0．0\＄ | 6ZS\＄ | 00．001 | Y | Lヤナ゙8 | 人 $\forall 7$－O |  | 10－8601－$\forall \lambda 1$ | INVY⿹ | 091ก |
| 0．0\＄ | 七\＆8\＄ | 00．001 | Y | 100．01 | 人 $\forall 7$－O |  | 10－680 $-\forall \backslash 1$ | 」NVY勺 | GZ0\1 |
| 0．0\＄ | 96\＄ | 00．001 | Y | 0000 | ydyyg |  | $10-\downarrow 880-\forall \lambda$ | $\exists \wedge$ O〇 | عZO\} |
| 0．0\＄ | LてZ\＄ | 00：02 | 乙\＆00つ | 00で0 | y9y9 |  | $10-\mathrm{SbZt}{ }^{-}$－ | $\exists \wedge$ OУ | GLヤレO |
| 8．921\＄ | เて乙\＄ | $00 \cdot 08$ | S 48 | 00で0 | y8y9 |  | 10－Stてt－ | ヨ＾O勺 | Gくヤ1O |
| 0．0\＄ | と8ナ＇と\＄ | 00：02 | 08E0ก | L980 | กSy9 |  | 10－9ャ6レ－ก | 入УVヨ૭ |  |
| †＇98L＇乙\＄ | と8ガと\＄ | 00：08 | d $\perp$ S | $\angle 9 \varepsilon^{\circ} 0$ | กSy9 |  | 10－9ャ6レ－ก | 入 $\ \forall \exists \bigcirc$ |  |
| 0．0\＄ | LZ\＄ | 00．001 | Y | 0000 | ydyyg |  | $10-Z 1+1-\forall>~$ | 入 $¢ \forall \exists$－ | 0＜01 |
| $0.0 \$$ | 0とがเ\＄ | 00＇98 | 0880ก | 00で0 | กSy9 |  | 10－ $2011-\forall \lambda$ | 入УVヨワ | 810X |
| 0．0\＄ | 0とガเ\＄ | 00＇ャ9 | Y | 00で0 | กSY9 |  | 10－201－$-\forall \lambda$ | 入 $4 \forall \exists$－ | 810＞1 |
| 0．0\＄ | SES\＄ | 00＇\＆と | 0880ก | 00で0 | ONOO |  | $10-1860-\forall>1$ | 入 $¢ \forall \exists$－ | $\angle L O \cap$ |
| 0．0\＄ | GES\＄ | 00＇ 29 | $\lambda$ | 00で0 | ONOO |  | $10-1860-\forall>1$ | 入 $\downarrow \forall \exists$－ | $\angle L O \cap$ |
| $0.0 \$$ | S67＇เ\＄ | 00＇\＆ย | 0880ก | 00で0 | प $\exists \perp \mathrm{NI}$ | Q $\forall$ OY 入ヨ77 | $10-6 \angle 60-\forall \lambda$ | 入УVヨワ | 810¢ |
| 0．0\＄ | G67＇เ\＄ | 00＇ 29 | Y | 00で0 | Y $\triangle 1 \mathrm{Nl}$ |  | $10-6 \angle 60-\forall \lambda$ | 入 $4 \forall \exists$－ | 8101 |
| 0．0\＄ | 七¢L\＄ | 00．001 | Y | てLぐ0 | 1＾NOO |  | $10-Z 960-\forall \lambda$ | 入ソシヨワ | LLIV |
| $0 \cdot 0 \$$ | てLI\＄ | 00．001 | $\lambda$ | 0000 | ydyyg |  | $10-9 \angle 80-\forall>1$ | 入 $\ \forall \exists \bigcirc$ | 0＜01 |
| әғе6！｜90 01 <br> p！ рəŋっədxヨ |  | elpiold | әроЭ кıобәғеэ pun＿ |  | $\begin{aligned} & \partial \mathrm{d} K_{\perp} \\ & \text { Y } 10 \mathrm{M} \end{aligned}$ |  | ıəquinN 1כə！odd | əmen Kıunoう | əənoy |


| 8．91．${ }^{\text {d }}$ | 9ヵし\＄ | 00：08 | Oप9 | OS1．0 | प9y9 | SINNEC JO S IN 9＇Z 8 ヨ IW 0＇Z | 10－şZt－ 5 | ヨ 1 ¢ ${ }^{\text {a }}$ | 00000 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0．0\＄ | と9t\＄ | 0000 | 0G000 | 00で0 | Sy8y9 | VNVINOW $\lrcorner \mathrm{O}$ N IW て＇0 | ト0－カャレー 3 | ヨ 1 妇时 | عLE0O |
| $\dagger^{\circ} 02$ ¢ ${ }^{\text {d }}$ | と9t\＄ | 0008 | S | 00で0 | Sy9y9 | $\forall$ NVINOW $\lrcorner \mathrm{O}$ N IW て＇0 | 10－カカレー ${ }^{\text {a }}$ | ヨ 1 妇㫙 | \＆LE0O |
| 0．0\＄ | 091\＄ | 0000 | 6 t 000 | 0010 | प9y9 |  | 10－18をt－ 3 | $\forall$ MOİ | 00000 |
| 0．821\＄ | 091\＄ | $00 \cdot 08$ | OYg | 0010 | प9y9 |  | 10－18をt－ 0 | $\forall$ MOİ | 00000 |
| 0．0\＄ | t01\＄ | 0000 | 67000 | 0010 | प9y9 |  | 10－tSで「－ | $\forall$ MOİ | 00000 |
| て＇E8\＄ | t01\＄ | $00 \cdot 08$ | OYg | 0010 | प9y9 |  | 10－t ${ }^{\text {－}}$ | $\forall$ MOİ | 00000 |
| 0．0\＄ | LOt\＄ | 00．001 | $\lambda$ | $8 \vdash 0 \cdot 9$ | I＾NOO | †t－y／Zt－＞＞$\perp$ Or O $\perp$ H | 10－9L01－V＞ | N甘WONİ | t101 |
| 0．0\＄ | 18t\＄ | 00．001 | Y | 896.9 | 1＾NOO |  | 10－6901－${ }^{\text {杜 }}$ | N甘WSNİ | ヤ10\1 |
| 0．0\＄ | LZ8‘0こ\＄ | Lで0 | 00ヶ0n | 0Z8＇G | प949 |  | 10－ヶtて8－ | NVWSNİ | tSOn |
| 0．0\＄ | L 28 ＇0て\＄ | 80＇${ }^{\circ}$－ | $\rangle$ | 028＇9 | प9y9 |  | 10－ヤちて8－ | N甘WDNİ | tSOn |
|  | Lて8＊0て\＄ | S6＇S1 | SdH | 0Z8＇G | प949 |  | 10－ヤtて8－ | N甘WSNİ | tG0n |
| 6． 2 L®＇¢\＄ | L 28 ＇0て\＄ | S6＇s1 | daH | 028＇9 | प9y9 |  | 10－ちtて8－ | N甘WDNİ | tS0n |
| 0．0\＄ | Lて8＇0て\＄ | عと＊0 | 8t000 | 0Z8＇G | प949 |  | 10－ヤtて8－ | N甘WSNİ | tG0n |
| 9＊9ャを＇レレ\＄ | L $28 \times 0$ ¢ | 8t゙ ${ }^{\text {¢ }}$ | SHNOV | 028＇G | पִgy |  | 10－ヤちて8－ | NVWDNİ | 7S0n |
| カ＇レ6と＇เ\＄ | とャL＇レ\＄ | 0008 | dıS | 00で0 | Sy8y9 |  | 10－29てt－ 9 | N甘WSNİ | 6 SEOO |
| 0．0\＄ | とせL゙け | 00．02 | 8 b 000 | 002＇0 | Sy9y9 |  | 10－292t－ 0 | NVWDNİ | 69800 |
| 0＇をटて\＄ | とટ乙\＄ | 00．001 | dISH | † 260012 | 5 S | 9 」OIUISIC NI SNOILVOO7 SnOIY $\forall \wedge$ | 70－6269－${ }^{\text {－}}$ |  | SZOY |
| で6Lで1 | $669^{\prime} 1 \$$ | $00 \cdot 08$ | dIS | 000＇t | กS |  | 10－1Sてt－ 0 | \NपVヨ\्र | 6L910 |
| 0．0\＄ | $669^{\prime} 1 \$$ | 0000 | Lt000 | 000＇t | nS |  | 10－1Sで・ $\bigcirc$ | NNY | $6 \angle 910$ |
| 0．0\＄ | 160＇1\＄ | 00．001 | Y | カ6でG1 | 」＾NOO |  | 10－8860－ V $^{\text {1 }}$ | $77 \exists$ Мヨ¢ | ヤ10才1 |
| 0．0\＄ | L18\＄ | 00．001 | $\lambda$ | 000＇0 | $\wedge 7 \cap \bigcirc$ |  |  | $77 \exists \mathrm{M} \mathrm{\exists}$ | 980ก |
| 0．0\＄ | S9\＄ | 00．001 | $\lambda$ | 000＇0 | पdyyg |  | 10－LZS0－${ }^{\text {a }}$ | $77 \exists М \exists$ ¢ | ャ10才1 |
| 0．0\＄ | 996＇9\＄ | 0000 | $\lambda$ | とtL＇8 | Sy9y9 | 9ャャ | 10－80tL－ | $77 \exists \mathrm{M} \mathrm{\exists}$ | 980ก |
| 8＇ZLG＇S\＄ | 996＇9\＄ | 0008 | SHNOV | とヶL＇8 | Sy8y9 |  | 10－80tL－$\$ & $77 \exists \mathrm{M} \mathrm{\exists ®}$ | 980 n |  |
| Z＇61\＄ | 七て | $00 \cdot 08$ | SHN | 00t＇9 | ロヨコS | O | 20－LOtL－ | $77 \exists \mathrm{M} \mathrm{\exists 「}$ | $980 \Pi$ |
| 0＇0\＄ | 七\＄ | 0002 | Y | 00t＇9 | QヨヨS |  | 20－LOtL－${ }^{\text {－}}$ | $77 \exists \mathrm{M} \mathrm{\exists 「}$ | 980ก |
| 0．E91\＄ | E91\＄ | 00．001 | dISH | OZで091 | 5S | Z $\perp$ OICUISIC NI SNOI $\perp \forall 007$ SnOIY $\forall \wedge$ | t0－926s－$>$ | $77 \exists M \exists \Gamma$ | ヤ10才1 |
| 0．0\＄ | 096\＄ | 00．001 | Y | 628＇L | 700＇ |  | 10－S960－V＞ |  | 七20ก |
| 0．0\＄ | と6乙\＄ | 00．001 | Y | 000＇0 | ydyy |  | 10－0＜80－$\forall>$ |  | 9101 |
| 0．0\＄ | カレャ\＄ | 00．02 | tャ000 | 0010 | S48y9 |  | 10－90เカ－ |  | 00003 |
| で1ع®\＄ | カレー\＄ | 0008 | Oप8 | 0010 | S 8845 |  | 10－GOLV－ 3 | NOSUヨココゴ | 00003 |
| 0．0\＄ | LLZ\＄ | 00．001 | Y | ELL＇Z | 709＇ |  | 10－1960－${ }^{\text {ck }}$ | NOSYOV＇ | G $\angle 00$ |
| 0．0\＄ | 9tt\＄ | 00．02 | \＆t000 | $00{ }^{\circ} 0$ | S 48 ¢ |  | 10－ 28 LV－${ }^{\text {¢ }}$ | NOSYOV「 | 00003 |
| 8．99E\＄ | 9bt\＄ | $00 \cdot 08$ | Oप8 | 008＇0 | S48y9 |  | 10－ 28 トr－ 0 | NOSYOV＇ | 00000 |
| 0＇0\＄ | S8S\＄ | 0000 | \＆t000 | $008^{\circ} 0$ | प945 | NO | 10－98レレ－ 3 | NOSYOV「 | 00003 |
| 0．897\＄ | S8S\＄ | 0008 | Oप8 | $008^{\circ} 0$ | प949 | NO | 10－98レレ－ 3 | NOSYOV「 | 00003 |
| 0．0\＄ | 919＇2\＄ | 00．001 | $\rangle$ | t09 61 | $700^{\circ}$ |  | 10－1601－${ }^{\text {－}}$ | N甘WヨפOOH | 9Sト\} |
| 0＇099\＄ | 099\＄ | 00．001 | OdH | 001．1 | $4 \exists 1 \mathrm{NI}$ |  | 10－9910－${ }^{\text {d }}$ | N甘WヨפOOH | 9Str |
| 0＊เटて\＄ | L乙乙\＄ | 00．001 | dISH | 000＇0 | 勺Sค7コ | ヨШコヨ78กS $\ddagger$ IS |  | $77 \exists$ YSVH | ع80ก |
| 0 －$\downarrow$ Sเ\＄ | 七S1\＄ | 00．001 | SıUS | 009＇Z | 1803 d |  | 10－00tr• | $77 \exists y$ YVH |  |
|  | әtew！！！sヨ әseчd צ10 M | elenodd | $\begin{array}{\|c\|} \hline \begin{array}{c} \text { әроэ } \\ \text { robere } \\ \text { pun」 } \end{array} \\ \hline \end{array}$ |  | $\begin{aligned} & \partial \mathrm{d} \wedge_{\perp} \\ & 410 M \end{aligned}$ |  | ıequnn ¡oelodd | әmen Kıunoo | əłnoy |


| 0．0\＄ | 18ヤ\＄ | 00\％02 | LS00才 | OGเ．0 | प9y9 |  | 10－GG1も－つ | NOIU $\forall$ W | 乙6000 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0．0\＄ | どっ\＄ | 00：02 | LS000 | 66100 | sugy |  | 10－ES0t－ | NOIU $\forall$ W | \＆てヤ0つ |
| カ0とを\＄ | どっ\＄ | 00.08 | S 48 | 66100 | sugy\ |  | 10－ES0ヶ－Э | NOIUVW | \＆てヤ00 |
| 0 0\＄ | てレE\＄ | 00．09 | 0610ก | 0tL゙0 | ＾O7IW |  | 10－G80Z－ | NO人7 | 090n |
| 0．0\＄ | でE\＄ | 00．0G | YNI7Y | OtL゙0 | ＾O7IW |  | 10－G80て－ | NO人7 | 0G0ก |
| 0．0\＄ | く৮9\＄ | 00．001 | Y | 1E0＇8 | 」＾NOO |  | 10－1960－$\forall \lambda$ | NO 人7 | 0＜1－ |
| 0．0\＄ | 08て\＄ | 00．001 | $\lambda$ | 0000 | प्రdyy |  | $10-1980-\forall \lambda$ | NO人7 | GEOI |
| 0．0\＄ | 乙とヤ\＄ | 00．001 | Y | 0000 | पdyyy |  | 10－G980－$\forall$－ | NO 人7 | 660Y |
| 0．0\＄ | 880＇ 2 \＄ | 00＇s己 | 0610ก | Oレナ0 | บヨ |  | 10－1186－${ }^{-1}$ | NO人7 | 0907 |
| 0．0\＄ | 880＇乙\＄ | 00＇GL | Y | Oレガ0 | บヨıNI |  | 10－1．186－ | NO人7 | 090n |
| $0 \cdot 191 \$$ | 191\＄ | 00．001 | dISH | 0000 | SSㄱํ | 入ヨาไVO NI sc91－Sપ 8 पપydत | 10－0992－X | N＊VO7 |  |
| 0．0\＄ | 9G1\＄ | 00．001 | Y | 9 660 | 人 $\forall 7$－O |  | $10-\varepsilon 101-\forall \lambda$ | N＊VO7 | ع80П |
| 0．0\＄ | レて8‘ટ\＄ | 00．001 | H | L1L＇9E | 」＾NOO |  | $10-6001-\forall \lambda \mid$ | NV907 | GZ0Y |
| 0．0\＄ | LL\＄ | 00．001 | Y | 0000 | पdyyy | 0t－Sก $\ddagger$ H H | 10－G880－$\forall \lambda$ | N＊VO7 | ع80П |
| 0．81． | 81．${ }^{\text {d }}$ | 00．001 | dISH | 088．901 | 勺S |  | 七0－LZ6G－ | N＊VO7 | GZ0Y |
| 0 เ0と\＄ | เ0ع\＄ | 00．001 | dISH | 0000 | 9S |  | 10－LE9て－ X | NNI7 |  |
| 0＇102\＄ | เ0Z\＄ | 00．001 | dISH | 0000 | ソS 17 － |  | 10－9892－X | NNI7 |  |
| 0\％1L1\＄ | －LIS | 00．001 | dISH | 0000 | ソS |  | 10－S892－X | NNI7 |  |
| 0．0\＄ | OLL\＄ | 00．001 | Y | 0000 | dMHHS |  | 10－て।て0－$\forall \lambda$ | NNI7 | $690 \cap$ |
| 0．0\＄ | 001\＄ | 00：02 | Y | เદでと | ロヨヨS | HOU彐 | ع0－E68L－ | NNI7 | $690 \cap$ |
| 0．08\＄ | 001\＄ | 00.08 | SHNOV | เモで¢ | ロヨヨS | HOY | ع0－E68L－${ }^{\text {－}}$ | NNI7 | $690 \cap$ |
| 7．98\＄ | 801\＄ | 00：08 | SHN | 0000 | वヨヨS |  | ع0－L68L－ | NNI7 | 690 ก |
| $0 \cdot 0 \$$ | 801\＄ | 00：02 | Y | 0000 | ロヨヨS |  | ع0－168L－ | NNI7 | 690 ก |
| 0．0\＄ | 七GE\＄ | 00．001 | Y | 0000 | $\forall \mathrm{YS}$ | （Sヨาg | 七0－6GLG－ | NNI7 | 690n |
| 0 0\＄ | ટદと\＄ | 00．02 | \＆G00つ | 0010 | ygyb |  | 10－6Gてヵ－ | N7OONI7 | 00000 |
| 9＇992\＄ | ટદદ\＄ | $00 \cdot 08$ | Oप8 | 0010 | प9Y9 | $77 \forall\lrcorner \perp$ S ${ }^{\text {¢ }}$ JO N IW 0＊ $18 \mathrm{M} \mathrm{IW} \mathrm{S't}$ | 10－6Sで－ | N7OONI7 | 0000 |
| 0．0\＄ | 9Gて＇1\＄ | 00．001 | Y | くてが0 | กSy9 |  | 10－9ャ06－ | $\exists \mathrm{N} \forall 7$ | 960＞1 |
| 00\＄ | 6G1＇ટ\＄ | 00：02 | 0990ก | 82900 | กSY勺 |  | 10－6761－ก | $\exists \perp \perp \exists 8 \forall 7$ |  |
| て＇LZL＇เ\＄ | 6G1＇ટ\＄ | 00：08 | d $\perp$ S | 829＊0 | กSy9 |  | 10－6ャ61－ก | $\exists \perp \perp \exists 8 \forall 7$ |  |
| 0．0\＄ | LLで1\＄ | 00：02 | 09G0ก | 009＇$\varepsilon$ | $180 \exists \mathrm{~d}$ | MOY पપy OOSIપd aヨNOUNVG＊⿹NO7＊ | 10－6L20－ヨ1 | ヨ $1 \exists 8 \forall 7$ |  |
| ع＇EL6\＄ | LIで1\＄ | $00 \cdot 08$ | $\forall \exists \perp$ | 009＇$\varepsilon$ | I80ヨd | MOY पy | 10－6LZ0－ヨ | ヨメ1ヨ8 77 |  |
| 0．0\＄ | と0ヤ\＄ | 00．001 | Y | 000＇9 | 」＾NOO |  | $10-G 901-\forall>1$ | $\exists \perp \perp \exists 8 \forall 7$ | 00t？ |
|  | 98\＄ | 00．001 | Y | 0000 | पdyyg |  | $10-2680-\forall \lambda$ | ヨメ1ヨ8 77 | 991ก |
| 0．0\＄ | ZLI\＄ | 00．001 | $\lambda$ | 0000 | पdपy |  | $10-1680-\forall \lambda$ | ヨ $1 \exists 8 \forall 7$ | 0910 |
| 0．0\＄ | L1ロ\＄ | 00．001 | Y | 0000 | पdyyy |  | $10-0680-\forall \lambda$ | $\exists \perp \perp \exists 8 \forall 7$ | 690n |
| 0．0\＄ | LGで1\＄ | 00．001 | Y | 七68．1． | 人 $\forall 7$－O |  | 10－6ZG6－ | $\exists \perp \perp \exists 8 \forall 7$ | 091ก |
| $0.0 \$$ | StG\＄ | 00．82 | 0990ก | 2900 | $\cup \mathrm{C} \exists \perp \mathrm{Nl}$ |  | 10－G616－${ }^{-10}$ | $\exists \perp \perp \exists 8 \forall 7$ | 00ヶП |
| 0．0\＄ | StG\＄ | 00＇ZL | Y | 2900 | ¢ $\triangle 1 \mathrm{NI}$ | 」S ONZE QNヲ 00t－Sก 」O NOI | 10－G616－ | ヨ $1 \exists 8 \forall 7$ | 00tก |
| 0．0\＄ | て8て\＄ | 00：02 | 09003 | OG100 | yay勺 | $\forall 7 O \bigcirc N \forall \pm O$ N IW L＇Z 8 M IW c＇ | 10－9Gてt－ | $\exists \perp \perp \exists 8 \forall 7$ | 00000 |
| 9＊GてZ\＄ | 乙8て\＄ | 00：08 | Oप8 | OGド0 | y9y9 |  | 10－9Gてt－ | $\exists \perp \perp \exists 8 \forall 7$ | 00000 |
| 0．0\＄ | 9ャレ\＄ | 00\％02 | 09003 | OGト0 | ygy勺 | SINNヨO ЈO S IW 9＇乙 8 ヨ IW 0＇Z | 10－GSてt－ | ヨ 1 ¢ ${ }^{\text {a }}$ | 00000 |
|  | $\begin{aligned} & \text { әџеш!!sヨ } \\ & \text { әseपd } \\ & \text { чио } \\ & \hline \end{aligned}$ | elperord | әроэ রıобәəеう pun＿ |  | $\begin{aligned} & 2 \mathrm{~d} K_{\perp} \\ & \text { צノOM } \end{aligned}$ |  | ıəqunn ¡əə！odd | əmen Kıunoう | əənoy |


| 0．0\＄ | 89\＄ | 00．001 | Y | 000＇0 | 17กอ | ヨNI7 O）77ヨHO | 10－ZSS0－४入｜ | 77 HHOLIW | ち20n |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Z＇と88\＄ | ヤ01「1\＄ | 00.08 | dIS | 000＇L | กS |  | 10－88 $\mathrm{L}^{\text {－}}$－ | 77ヨHOLIW | LSt00 |
| 0．0\＄ | ャ01「1\＄ | 00．02 | 2900つ | $000^{\circ} \mathrm{L}$ | nS |  | 10－88レレー 0 | 77ヨHOIW | LSt00 |
| 0．10t\＄ | LOt\＄ | 00．001 | dISH | 000＇0 | 勺Sค7ย |  | 10－Z892－X | IWVIW |  |
| 0＇1LL\＄ | 1L1\＄ | 00．001 | dISH | 000＇0 | 9Sค7」 |  | 10－t¢92－ X | IWVIW |  |
| 0．0\＄ | ャ89＇1\＄ | 00．02 | 0990n | 089＇0 | กSy |  | 10－9902－ 0 | IWVIW |  |
| でくセどャ\＄ | ャ89＇। ${ }^{\text {d }}$ | 00．08 | dIS | 0¢9＇0 | กSy |  | 10－9902－ 0 | IWVIW |  |
| 0．0\＄ | 982\＄ | 00．001 | H | 006． | HOı ${ }^{\text {d }}$ |  | 10－St01－$\forall \lambda \mid$ | IWVIW | $690 \cap$ |
| 0．0\＄ | G16＇Z\＄ | 00．001 | †ZSOก | 000＇ | ONOO |  | 10－0860－$\forall$－ | IWVIW | LOOX |
| 0．0\＄ | E01\＄ | 00．001 | $\lambda$ | 000＇0 | पydyya |  | 10－L680－$\forall$－ | IWVIN | $690 \cap$ |
| 0．0\＄ | S00＇1\＄ | 0000t | 0G90n | ع08＇0 | กS |  | 10－6ャ10－$->$ | IWVIW |  |
| 0．0\＄ | S00＇1\＄ | $00 \cdot 09$ | Y | ع0ع＇0 | กS |  | 10－6ャ10－$\forall$－ | IWVIW |  |
| 0．0\＄ | LE0＇ 1 \＄ | \＆9＇¢¢ | Y | くっで0 | กSys | ЭาวบI丁 MヨI＾1Sヨบ | $10-8 \mathrm{t} 0-\forall>$ | IWVIW | 8901 |
| 1．09t\＄ | LE0＇ 1 \＄ | くどカワ | d OH | くっで0 | กSy9 |  | $10-8 \mathrm{t}$－ $0-\forall>\mid$ | IWVIW | 8901 |
| 0．0\＄ | 981＇t\＄ | 09＇28 | Y | 000＇0 | Sugy |  | 10－8976－ | IWVIW |  |
| 0．0\＄ | 981＇t\＄ | 09＇L1 | 19000 | 000＇0 | Sugy | 人 $\perp$ NกOO IWVIW NI $\perp \exists \exists \geq$ IS | 10－8976－ | IWVIW |  |
| 0．0\＄ | 980＇1\＄ | 00．02 | $\angle t \square 0 \cap$ | 000＇0 | 180N7 |  | 10－9620－ヨコ | ヨロVヨW |  |
| 9．828\＄ | 980＇ı\＄ | $00 \cdot 08$ | $\forall \exists \perp$ | 000＇0 | 180N7 |  | 10－9620－ヨコ | ヨロVヨW |  |
| 0．0\＄ | L乙と＇こ\＄ | 00．001 | Y | 866．92 | 」＾NOO |  |  | ヨロオヨW | عटО\} |
| 0．0\＄ | 926\＄ | 00．001 | Y | 8Gどヤト | 1＾NOO |  | $10-1801-\forall>\mid$ | ヨロVヨW | 七SOก |
| 0．0\＄ | 988\＄ | 00．001 | Y | 81ぐと | 」＾NOO | ヨロVヨW $\ddagger$ O S | 10－0801－-7 | ヨロVヨW | 7S0ก |
| 0．0\＄ | ャ८ع＇ャ\＄ | 00．02 | H | 06L＇ | กSy |  | 10－1てtく－ | ヨロオヨW | 091ก |
| でL9ヵ「を\＄ | ャยع＇ャ\＄ | 00．08 | dıSOV | 062＇ | กSบ |  | 10－1てtく－ | ヨロVヨW | 091ก |
| †＇Z乙と\＄ | と0ヤ\＄ | $00 \cdot 08$ | dIS | 000＇t | กS |  | 10－L92t－ 3 | ヨロVヨW | 98200 |
| 0．0\＄ | ع0ャ\＄ | 00．02 | 09000 | 000＇t | กS |  | 10－L92t－ 5 | ヨロVヨW | S8200 |
| 0．0\＄ | Lटて\＄ | 00＇s | 8 180n | 000＇0 | \O7IW |  | 10－860z－$\cap$ | NOSU3HdOW | †001 |
| 0．0\＄ | Lこて\＄ | 00＇GL | YNITY | 000＇0 | MO7IW |  | 10－8602－ 0 | NOSU3HdOW | 700才 |
| 0．0\＄ | とャ8＇1\＄ | 0000 | 08t0n | OZと＇0 | กsy |  | 10－てヤ10－ヲ入 | NOSU3HdOW | 990n |
| 0．0\＄ | とャ8＇1\＄ | $00 \cdot 06$ | $\lambda$ | OZと＇0 | กSy |  |  | NOSU3HdOW | 9S0n |
| 0．0\＄ | 628\＄ | 00．02 | 8180n | Stぐ0 |  | 1ヨヨบ⿺𠃊 | 10－1カ10－＊ン | NOSU3HdOW | 9180n |
| 0．0\＄ | 628\＄ | $00 \cdot 08$ | $\lambda$ | Stぐ0 |  | เヨコบ⿺𠃊 | 10－トワ10－$\because>$ | NOSU3HdOW | 8180n |
| 0．0\＄ | StE\＄ | 00．02 | 6S000 | 6ャで0 | Sપg \％ |  | 10－8S0t－$\bigcirc$ | NOSU3HdOW | 00000 |
| 0．9Lて\＄ | StE\＄ | 00．08 | Oप8 | 6ャで0 | Sugy |  | 10－890t－ 5 | NOSU3HdOW | 00003 |
| 0．0\＄ | ャع！\＄ | 00．001 | $\lambda$ | $100{ }^{\circ}$ | 」＾NOO |  | 10－8960－ナ＞ | $77 \forall H S U \forall W$ | 980ก |
| 0．0\＄ | 6ちt\＄ | 00．02 | 89000 | 0Gで0 | प9y9 | SLヨI7＾JO M IW S＇ 8 S IW $0{ }^{\circ} \mathrm{E}$ | 10－9Sトロ－ | $77 \forall \mathrm{HSY}$ VW | 00000 |
| Z＇6SE\＄ | 6ちt\＄ | 00.08 | Oप8 | OSで0 | प849 |  | 10－9Sドカ－ 0 | 77 HSS ¢VW | 00003 |
| 00\＄ | Lعャ\＄ | 00．02 | LS00） | OSF＊ | Sप9y9 |  | 10－t92t－ 5 | NOIUVW | ャてヤ0つ |
| 8＇ャワ¢\＄ | 1عャ\＄ | $00 \cdot 08$ | S 88 | OS100 | Sugy |  | 10－t92t－ 0 | NOIUVW | 七てヤ0つ |
| 00\＄ | ャ6¢\＄ | 00．02 | LS000 | OG100 | Sप9y9 | VNOWVY JO M IW s＇ | 10－を92t－ 0 | NOIUVW | ع9210 |
| でSIE\＄ | 七6と\＄ | 00．08 | Sy9 | OSF＊0 | Sugy | $\forall$ NOWVY JO M IW $\mathrm{G}^{\circ} \mathrm{E}$ | 10－892t－ 0 | NOIUVW | と9210 |
| 8＇t8を\＄ | 18t\＄ | $00 \cdot 08$ | d 1 S | OSt＇0 | y8y |  | 10－scıro 0 | NOIUVW | 26000 |
| ә䒑е6！｜！ 90 О p！！ןeләрә」 рəəっədxヨ | әுеш！！sヨ әseyd y10 M | eledodd |  |  | $\begin{aligned} & \partial d K_{\perp} \\ & y_{10} \end{aligned}$ |  | dequnN 10e） 0 dd | әuen Kıunoo | әłnoy |


| 8＇269\＄ | 998\＄ | 00：08 | d $\perp$ S | $800{ }^{\circ} \downarrow$ | กSy |  | 10－88S\＆－О | $\exists \exists \mathrm{N} M \forall \mathrm{~d}$ | 8Z900 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0．0\＄ | 998\＄ | 00：02 | عLO0O | $800{ }^{\circ} \downarrow$ | กSy |  | 10－ع8らと－ | $\exists \exists \mathrm{NM} \mathcal{\text { d }}$ | 82900 |
| 0．0\＄ | G1ヵ\＄ | 00．001 | Y | 0009 | $7 \mathrm{TO}^{\circ} \mathrm{L}$ |  | $10-9660-\forall \$ & $\forall M \forall \perp \perp O$ | $180 \cap$ |  |
| 0．0\＄ | 01E\＄ | 00．001 | Y | 000＇9 | $70{ }^{\circ} \mathrm{L}$ | Sヨ7IW 9 H上UON＇（8LG Sप）SI7OdVヨNNIW | $10-\downarrow 660-\forall>1$ | $\forall M \forall \perp \perp O$ | $180 \cap$ |
| 0．0\＄ | 0LE＇เ\＄ | 00：02 | 七ટャ0ก | 009＇Z | 7 L |  | 10－G920－ヨ | ヨソVSO |  |
| 9＊S60＇1\＄ | 0LE＇เ\＄ | 00：08 | $\forall \exists \perp$ | 009＇Z | $7 \mathrm{y} \perp 7 \mathrm{y}$ |  | 10－G920－ヨ1 | ヨVVSO |  |
| 0．0\＄ | こっモ「เ\＄ | 00．001 | H | 2096 | 1＾NOO |  | 10－9960－ －$^{101}$ | ヨVVSO | G $20 \cap$ |
| 0．0\＄ | 6L1＇こ\＄ | 00．001 | Y | 0tG＇9 | $\pm \wedge$ NOO |  | $10-7960-\forall>1$ | ヨVVSO | GLOn |
| 0．0\＄ | 685\＄ | 00．001 | Y | S89＇9 | $\pm \wedge$ NOO |  | $10-6760-\forall \lambda$ | ヨVVSO | $180 \times 1$ |
| 0．0\＄ | 021\＄ | 00．001 | H | 967＊ | 1＾NOO |  | $10-8760-\forall \lambda$ | ヨ⿹VSO | 1EOX |
| 0．0\＄ | とLเ\＄ | 00．001 | H | 0000 | ydyyg |  | $10-\angle 980-\forall \ 1$ | ヨVVSO | 1EOY |
| 0＇0\＄ | 七8\＆\＄ | 00：02 | $0<00 \bigcirc$ | OSF＊0 | sप9y9 |  | 10－ELで－ | ヨVVSO | 92023 |
| でL0E\＄ | 七8E\＄ | 00：08 | S 48 | OGト＇0 | Sप9บ⿹ | $\exists 7 \forall 0 N O 8 Y \forall O ~ \exists O ~ H \perp Y O N ~ S \exists 7 I W ~ 8 * 0 ~$ | $10-\varepsilon L Z \downarrow$－ | ヨVVSO | 9L02O |
| 0．0\＄ | 062\＄ | 00．02 | 89003 | 00で0 | प9y9 |  | ト0－1くで・ | SSEN | 00000 |
| 0＇ことて\＄ | 062\＄ | 00.08 | Oप9 | 00で0 | प9પ9 |  | 10－1くです | SSヨN | 00003 |
| 0．0\＄ | と8t\＄ | 00．02 | 89003 | $00{ }^{\circ} 0$ | บgy9 |  | 10－${ }^{\text {－}}$ | SSヨN | 0000 |
| †．98\＆\＄ | と8t\＄ | 00：08 | Oप9 | $00{ }^{\circ} 0$ | ygy |  | 10－ヤLレヤ－ | SSEN | 0000 |
| 0\％181\＄ | 181\＄ | 00．001 | dISH | 0000 | ソS | $\exists \perp \cap \mathrm{NVHO} \mathrm{NI} \perp \exists \exists \mathrm{U} \perp \mathrm{S}$ 」SIC 8 OYS | 10－8092－ X | OHSOヨN |  |
| 0．0\＄ | 890＇乙\＄ | 00．001 | Y | 609 ${ }^{\circ}$ | 人 $\forall 7$－O |  | 10－8ZG6－ | OHSOEN | $690 \cap$ |
| 0．0\＄ | 192\＄ | 00．001 | Y | 乙EL＇6 | － 1 NOO |  | 10－ $2960-\forall \backslash 1$ | $\forall H \forall W \exists N$ | 980ก |
| 0．0\＄ | レLE＇เ\＄ | 00．001 | $\lambda$ | 880 11 | $700 \%$ | $\exists \mathrm{I} 77 \pm \perp \forall \perp$ 将 | 10－0G60－$\forall \lambda$ | $\forall H \forall W \exists N$ | ع90\1 |
| 0．0\＄ | 0カャ\＄ | 00．001 | $\lambda$ | 0000 | $\wedge 7 \cap \bigcirc$ |  | 10－1SS0－$\forall \lambda$ | $\forall H \forall W \exists N$ | 2901 |
| 0．0\＄ | L9t\＄ | 00：02 | 99000 | 86で0 | Sप9y9 |  | 10－G90t－ | $\forall H \forall W \exists N$ | $\angle 8900$ |
| $\dagger$ ¢ $¢$ LE\＄ | L9t\＄ | 00＇08 | Sप8 | 86で0 | sप9y9 |  | 10－G90t－ | $\forall H \forall W \exists N$ | $\angle 8900$ |
| 0．0\＄ | L91\＄ | 00＇92 | 0910ก | 9160 | ＾O7IN |  | 10－9102－ | SİCyOW | $\angle L 1\rangle$ |
| 0．0\＄ | L91\＄ | 00＇9L | YNI7， | 9160 | \O7IW |  | 10－9102－ | SİCyOW | LLLY |
| 0．0\＄ | 01て\＄ | 00．001 | Y | カIS＇9 | $\pm \wedge \mathrm{NOO}$ |  | $10-8660-\forall \lambda$ | SİCyOW | 990n |
| 0．0\＄ | Lع乙\＄ | 00．001 | Y | Z8L｀8 | $\pm \wedge \mathrm{NOO}$ |  | $10-2660-\forall \lambda$ | SİCyOW | 990n |
| 0．0\＄ | GZS\＄ | 00．001 | Y | 8609 | $\pm \wedge$ NOO |  | $10-1660-\forall \lambda$ | SİCyOW | 6ヤトン |
| 0．0\＄ | て9L’て\＄ | 00．001 | Y | 91ト「てE | 1＾NOO |  | $10-0660-\forall \lambda 1$ | SİCyOW | 十00入1 |
| 00\＄ | 6عદ\＄ | 00：02 | †9003 | 00ャ＊ | sप9y9 |  | 10－692t－ 3 | SİCyOW | 00000 |
| て＇しLZ\＄ | 6عદ\＄ | $00 \cdot 08$ | Oप8 | 00ガ0 | Sप9 ${ }^{\text {a }}$ |  | 10－692t－ | SİCyOW | 0000 |
| 0＊181\＄ | 181\＄ | 00．001 | dISH | 0000 | ソS 17 ¢ |  | 10－1292－X | 人पヨWOVNOW |  |
| $0.0 \$$ | 610＇1\＄ | 00\％09 | 0ع⿺Oก | 0乙\＆0 | HO\＆$\forall$ d |  | 10－E802－ | 人UヨWOソคNOW | 9910 |
| 0．0\＄ | 610＇เ\＄ | 00\％0G | YNI7¢ | Oこと0 | HO\＆$\forall$ d |  | 10－ع802－ | 人પヨWOソNOW | 9910 |
| 0．0\＄ | 七Gで1\＄ | 9でてを | 0ع⿺Oก | 66100 | กSYD | Hı8 ONヲ 991－Sก NヨヨM | 10－GL16－ |  |  |
| 0．0\＄ | ヤGでเ\＄ | ヤL゙く9 | $\lambda$ | 66100 | กSy9 |  | 10－GL16－ | 人UヨWOソNOW |  |
| 0．0\＄ | 18G\＄ | 00．001 | Y | 006 1 | กS |  | て0－1ヵて8－ | 人 $4 \exists W O \bigcirc \perp N O W$ | 691ก |
| 0．0\＄ | ヤ8ャ\＄ | 00．001 | Y | 0000 | प8 |  | 10－GS99－ | 入પヨWOソNOW | 9910 |
| 0．0\＄ | 七89\＄ | 00：02 | $\varepsilon 900 \bigcirc$ | 002＊0 | Sप9y9 | 人ヨNVO JO M IW 0＊ 8 N IW 0＊ | レ0－8Gレヤ－ | 入પ ${ }^{\text {a }}$ | 00000 |
| でLもG\＄ | 七89\＄ | 00.08 | Oप9 | 00で0 | sप9પ9 |  | ト0－8Gレヤ－ | 人UヨWOソNOW | 00000 |
| әғе6！｜90 0」 <br> p！ рəŋっədxヨ |  | elpiold | әроЭ кıобәғеэ pun＿ |  | $\begin{aligned} & \partial \mathrm{d} K_{\perp} \\ & \text { Y } 10 \mathrm{M} \end{aligned}$ |  | ıəquinN 1כə！odd | əmeN Kıunoう | əənoy |


| 」＾NOO |  | $10-0 \angle O L-\forall \ \mid$ | ONヨ | ヤレ0入｜ |
| :---: | :---: | :---: | :---: | :---: |
| $700{ }^{\circ}$ |  | $10-\angle 901-\forall \ 1$ | ONヨ | 960\1 |
| กSYD | $\exists \wedge \forall \mathrm{H} \perp \downarrow \mathrm{O}$（ $\exists \wedge$ H H | $10-\varepsilon G \downarrow 0-\forall \backslash \mid$ | ONヨ |  |
| กSYワ |  | $10-\varepsilon G เ 0-\forall \backslash \mid$ | ONヨ |  |
| ロヨヨS |  | 20－LSC8－ 1 | ONヨ | 0900 |
| ロヨヨS |  | G0－60tL－ | ONヨ | 090ก |
| ロヨヨS |  | S0－60tL－ | ONヨY | 0900 |
| ЭS | G $\perp$ OIU | ヤ0－8て6G－ | ONヨ | ヤLO\ |
| stgy | NOSUヨYOIN $\ddagger$ S S IW て＇乙 8 ヨ IW 09 | レ0－ヤ91ヵ－ | ONヨ | 00000 |
| stgy | NOSUヨYOIN $\ddagger$ S IW て＇乙 8 ヨ IW 0＊G | $10-\nabla 91 \nabla^{-}$－ | ONヨY | 00000 |
| $700 \cdot 1$ |  | $10-1+01-\forall \lambda \mid$ | SNI7M ${ }^{\text {S }}$ | 980ก |
| OUA甘d |  | 10－ヤ688－ | SNI7M ${ }^{\text {S }}$ | 980ก |
| OЧ＾甘d |  | 10－ヤ688－ | SNI7M ${ }^{\text {S }}$ | 980ก |
| bgyo |  | $10-\varepsilon \angle 0 \nabla^{-}$O | SNI7M S $^{\text {P }}$ | 6L100 |
| ygyo |  | $10-\varepsilon L 0 \nabla^{-}$－ | SNITM ${ }^{\text {S }}$ | 6L100 |
| ＾07IW |  | 10－8602－ | $\perp \perp \forall U d$ | $\checkmark 900$ |
| ＾O7IW |  | 10－860 -C | $\perp \perp \forall G d$ | 7G00 |
| 入 $\forall 7$－○ |  | $10-2901-\forall \lambda \mid$ | $\perp \perp \forall U d$ | 7900 |
| กSYy |  | ع0－をヤて8－ | $1 \perp \forall U d$ | 7900 |
| กSYD |  | ع0－をヤて8－ | $\perp \perp \forall U d$ | ヤG0ก |
| กSYD |  | ع0－をヤて8－ | $1 \perp \forall U d$ | 7900 |
| กSUb |  | ع0－をヤて8－ | $\perp \perp \forall G d$ | 7900 |
| กSYD |  | ع0－をャて8－\1 | $\perp \perp \forall G d$ | 7900 |
| つもดจ |  | $10-\varepsilon \angle \varepsilon)^{-X}$ | IWO $\forall M \forall \perp \perp O d$ |  |
| 180N7 |  | 10－6080－ヨ上 | $\exists \mathrm{lWO} \perp \forall M \forall \perp \perp O d$ | ع8ャ00 |
| 18 N 7 |  | $10-6080-\exists \perp$ | $\exists \mathrm{lWO} \perp \forall M \forall \perp \perp O d$ | ع8ャ00 |
| 上＾NOO |  | $10-9960-\forall \lambda$ | $\exists \mathrm{IWO} \perp \forall M \forall \perp \perp O d$ | ع901 |
| 」＾NOO |  | $10-\angle\rangle 60-\forall \lambda$ | $\exists \mathrm{IWO} \perp \forall M \forall \perp \perp O d$ | 910¢ |
| กSYD |  | $10-9 \varepsilon \downharpoonright 0-\forall \lambda$ | $\exists \mathrm{lWO} \perp \forall M \forall \perp \perp O d$ | 七て0ก |
| กSYD |  | $10-9 \varepsilon \downharpoonright 0-\forall \lambda$ | $\exists \mathrm{lWO} \perp \forall M \forall \perp \perp O d$ | 七て0ก |
| stgy |  | เ0－GEटจ－ | $\exists I W O \perp \forall M \forall \perp \perp O d$ | ヤ9ヤレつ |
| Stgy |  | เ0－GEटt－ | $\exists \mathrm{l} W \mathrm{~L}$ | ャ9ヤレつ |
| stay | HSO7 $\ddagger$（ IW G＇ 8 S IW G ${ }^{\circ}$ | เ0－26レヤ－ | $\exists \mathrm{IWO} \perp \forall M \forall \perp \perp O d$ | จ 2900 |
| Sપgy⿹ | HSก7 $\ddagger$ \＃IW G＇ı 8 S IW G＇0 |  | $\exists \mathrm{IWO} \perp \forall M \forall \perp \perp O d$ | 七 2900 |
| stgy | $\exists \mathrm{NIV7G} \ddagger \mathrm{O}$ IW 0＇己 8 N IW G＇己 | $10-191 \nabla^{-}$ | $\exists \mathrm{lWO} \perp \forall M \forall \perp \perp O d$ | 00000 |
| Stgy |  | 10－191ヤ－ | $\exists \mathrm{lWO} \perp \forall M \forall \perp \perp O d$ | 00000 |
| 上＾NOO |  | $10-6101-\forall \lambda \mid$ | Sdl77lHd | ع88＞ |
| bayb |  | $10-0668-\bigcirc$ | Sdl77lHd | 00000 |
| ygyb |  | $10-0668-\bigcirc$ | SdI77lHd | 00000 |
| ＾O7IW | （9G－Sी）入ヲMO | 10－0602－ | $\exists \exists \mathrm{NM} \mathrm{Md}$ | 9900 |
| 八07IW |  | 10－0602－ | $\exists \exists \mathrm{N} M \forall \mathrm{~d}$ | 990ก |
| ${ }^{2 d} K_{\perp}$ Y10M |  | ıəqunN łวə！઼d | əسen Kıunos | əınoy |


| 0＇ヶ08\＄ | S00＇1\＄ | $00 \cdot 08$ | dIS | OSF＇0 | Sप99 | ヨ7VONヨาワ 」O S INで0 | 10－Zとで－ 5 | ヨNI7 ${ }^{\text {d }}$ | Lャヤ00 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0．0\＄ | S00＇1\＄ | 00．02 | S8000 | OSF＇0 | Sugy | ヨ7VONヨาจ Jo S IWで0 | 10－Zとで－ 0 | ヨNI7VS | Lヵヤ0つ |  |  |  |  |
| 0．0\＄ | くヤて\＄ | 00．001 | － | 000＇0 | ydyug | 0L－I | 10－ع880－४メ | $77 \exists$ SSny | 182 n |  |  |  |  |
| 8＇ヤ0¢\＄ | 18¢\＄ | $00 \cdot 08$ | dIS | $8 \downarrow$ ¢ 0 | Sप99\％ |  | 10－660t－ 0 | $77 \exists$ SSny | 88900 |  |  |  |  |
| 0．0\＄ | 18E\＄ | 00．02 | †8000 | $8 \downarrow 8^{\circ} 0$ | Sप9y9 |  | 10－660t－ 0 | $77 \exists$ SSny | 88900 |  |  |  |  |
| 0．0\＄ | 89て\＄ | 00＇001 | － | $100{ }^{\circ}$ | 」＾NOO | ع8t－Sก／8L－¢ $\perp$ Or O | 10－0201－${ }^{\text {del }}$ | SYOOY | ع81ก |  |  |  |  |
| 0．0\＄ | SSt\＄ | 00＇001 | $\lambda$ | 060＊レ | 」＾NOO |  | 10－9101－＊ン | SYOOY | ع8เก |  |  |  |  |
| 0．0\＄ | عとદ＇เ\＄ | 00＇001 | H | St6゙カー | 700＇ |  | 10－6660－$\forall$｜ | SYOOY | 810¢1 |  |  |  |  |
| 0．0\＄ | 9Lて\＄ | 0000 | 2800つ | とャト＇0 | Оヨコบ9 | NOıSOOOM $\ddagger$ O H $\llcorner$ OOS 0 － 1 | 10－600t－ 3 | SYOOY | 91603 |  |  |  |  |
| 8．02乙\＄ | 9くて\＄ | $00 \cdot 08$ | SH8 | とャト＇0 | Оヨロบ9 | NOLSOOOM $\ddagger$ O HLOOS 0 － | 10－600t－ 0 | SYOOY | 91600 |  |  |  |  |
| 0．0\＄ | 099\＄ | 00．01 | 09t0n | 0000 | Y 3 INI |  | 10－tSIて－ | 人키니 |  |  |  |  |  |
| 0＇t6S\＄ | 099\＄ | $00 \cdot 06$ | dISH | 000＇0 | Y 3 INI |  | 10－tSIて－ | 人키니 |  |  |  |  |  |
| 0．0\＄ | 0\＆ャ\＄ | 000． | 09t0n | 000＇0 | Y ${ }^{\text {I }}$ NI |  | 10－E012－$\cap$ | 人키닌 |  |  |  |  |  |
| 0＇$\angle 8$ ¢ ${ }^{\text {d }}$ | 0عャ\＄ | 0006 | dISH | 000＇0 | Y 3 INI | （S¢્ર＇NV | 10－\＆012－$\cap$ | 人키니 |  |  |  |  |  |
| 0．0\＄ | 0こと＇เ\＄ | 00\％001 | Y | 810＇L | 」＾NOO |  | 10－をS60－४メ | 人 3 깁 | $\angle \angle 1 Y$ |  |  |  |  |
| 0．0\＄ | 89\＄ | 00＇s | 09t0n | 0000 | SII |  | 10－L8L0－$\forall \$ & 人키니 & 810Y  \hline 0．0\＄ & 89\＄ & 00＇s & $\lambda$ | 000＇0 | SII | N $\lrcorner \perp \forall H N \forall W=\bigcirc \mathrm{O}$ 人 |  | 人 3 깁 | 810¢ |
| 0．0\＄ | 98\＄ | 00\％001 | H | 000＇0 | SGNก |  | S0－96L9－－ | 人 기니 $^{\text {a }}$ | 810¢ |  |  |  |  |
| E＇99E＇sz\＄ | 618＇¢E\＄ | 6L＇0 | OdH | LLL＇0 | Sugy |  | 20－96 ${ }^{\text {c }}$－ | 人키니 | 810¢ |  |  |  |  |
| 6＇9L8＇เ\＄ | 618＇¢E\＄ | 七でG | OdH | 1LL＇0 | Sप9y |  | 20－96L9－ | 人 기니 $^{\text {a }}$ | 810¢ |  |  |  |  |
| 8＇98S＇8\＄ | 618＇¢E\＄ | L6＇Eट | dISOV | LLL＇0 | Sugy |  | 20－96 ${ }^{\text {a }}$－－ | 人키니 | 810才1 |  |  |  |  |
| 0．0\＄ | 181\＄ | 00．02 | पy | 000＇0 | ソSL7」 |  | 10－Z ${ }^{\text {d }}$－ | ヨכIપ |  |  |  |  |  |
| 0．0\＄ | 181\＄ | $00 \cdot 08$ |  | 000＇0 | 9S 17 |  | 10－ZL92－X | ヨכIપ |  |  |  |  |  |
| 0．0\＄ | L8\＄ | 00＇s | LZSOn | 2980 | 人 y ${ }^{\text {a }}$ |  | 10－6602－$\cap$ | ヨכIપ | －10지 |  |  |  |  |
| 0．0\＄ | L8\＄ | 00＇s | YNIT\ | て980 | 人 4 ก7 ${ }^{\text {a }}$ | （96－y／ャ－ | 10－6602－$\cap$ | ヨコIપ | －10＞1 |  |  |  |  |
| 0．0\＄ | 06て＇। ${ }^{\text {d }}$ | 00．001 | H | 02t＊O1 | $700 \cdot$ |  | 10－0901－- ¢ | ヨכIપ | t00） |  |  |  |  |
| 0．0\＄ | 891\＄ | 00｀9 | 0St0n | O100 | Y ${ }^{\text {I }}$ NI |  | 10－tS10－＊＞ | ヨכIપ | －10＞1 |  |  |  |  |
| 0．0\＄ | 891\＄ | 00＇s6 | $\lambda$ | 0100 | Y 3 INI | वVOU N | 10－tS10－${ }^{\text {－}}$ | ヨコIપ | －10지 |  |  |  |  |
| 0．0\＄ | 9ヶ9\＄ | 00＇02 | 08000 | 002＇0 | y8y9 | SNOA7 J M IW cio 8 S IW で1 | 10－\＆と¢t－ 0 | ヨכIપ | 00003 |  |  |  |  |
| 8．915\＄ | 9ヶ9\＄ | 00＇08 | Oप9 | 002＊0 | प9y9 | SNO人7 J M M S s 08 S IWでト | 10－を建－ | ヨכIપ | 00000 |  |  |  |  |
| 0．0\＄ | LOt\＄ | 00：02 | 08000 | 00で0 | y8y9 | प̧コ入I | 10－tてEt－ 3 | ヨכIપ | 08810 |  |  |  |  |
| 9＇9z¢\＄ | LOt\＄ | 0008 | Sug | 002＊0 | प9y9 | पुヨ入I | 10－tてEt－ 0 | ヨכIપ | 08810 |  |  |  |  |
| 0．0\＄ | L8L\＄ | 00．02 | 0LOOn | $290{ }^{\circ}$ | Sugy |  | 10－Z8L1－ | 0178กdヨบ |  |  |  |  |  |
| 0．0SL\＄ | L81\＄ | 00.08 | OYg | $290{ }^{\circ}$ | Sप9y9 |  | 10－28L1－ | 9178กdヨy |  |  |  |  |  |
| 0．0\＄ | OSS\＄ | 00：02 | 09E0n | 0010 | Sપ્g8y9 |  | 10－ヤ012－ก | ONヨ |  |  |  |  |  |
| 0＇0tt\＄ | 09S\＄ | $00 \cdot 08$ | WYg | 0010 | Sप989 |  | 10－t012－ | ONJY |  |  |  |  |  |
| 0．0\＄ | Lヤ8\＄ | 00009 | 0SE0n | 000＇0 | dMLIN |  | 10－2620－ヨı | ONヨ |  |  |  |  |  |
| G＇Eटt\＄ | Lヤ8\＄ | 00．09 | $\forall \exists \perp$ | 000＇0 | dM $\operatorname{IIN}$ |  | 10－2620－ヨ1 | ONJY |  |  |  |  |  |
| 9＇LLS | L6\＄ | $00 \cdot 08$ | $\forall \exists \perp$ | 000＇0 | $\wedge$ \UdSH |  | 10－8610－ヨ1 | ONヨY |  |  |  |  |  |
| 0．0\＄ | L6\＄ | 00．02 | 8LOOO | 000＇0 | $\wedge \mathrm{ydSH}$ | NOSNIHO | 10－8610－ヨ1 | ONヨ |  |  |  |  |  |
| 0．0\＄ | レヵ¢\＄ | 00\％ 001 | Y | $6 \varepsilon \varepsilon^{\circ} \varepsilon$ | 1＾NOO |  | 10－6LOL－-1 | ONヨY | 960才1 |  |  |  |  |
|  | ә્દеш！！sヨ әseчd y10 M | Elexodd | әроう кıoбәреう pun」 |  | $\begin{aligned} & \hline \partial d K_{\perp} \\ & y_{10} \end{aligned}$ |  | dequnN foeloud | əmen Kıuno | əınoप्ర |  |  |  |  |


| 8．0こて\＄ | 9L乙\＄ | 00.08 | Oप9 | 002＊0 | प9y9 | Qप07人＊勺 」О M IW 8＊0 8 N IW 0＊E | 10－86てか－ | HDIWS | 00003 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0．0\＄ | 七81\＄ | 00．02 | 26000 | 00で0 | ygyo |  | 10－L6です - | HDIWS | 00003 |
| でしヤレ\＄ | 七81\＄ | $00 \cdot 08$ | OYg | 00で0 | ygyb |  | 10－L6で－ | H上IWS | 00003 |
| 0．0\＄ | LSE\＄ | 00．02 | 乙6000 | 00で0 | บgyワ |  | 10－962t－ | H上IWS | 00003 |
| 9＊98Z\＄ | LGE\＄ | $00 \cdot 08$ | Oपg | 00で0 | ygy9 |  | 10－96てt－ 3 | H上IWS | 00003 |
| 0＊0\＄ | 七9\＆\＄ | 00＇92 | 0LZOก | 0020 | กSy9 |  | $10-カ \downarrow 10-\forall 入 1$ | NVWYヨHS | 8tて0n |
| 0．0\＄ | 七9と\＄ | 00＇GL | Y | 00で0 | กSy9 | คヨヨบ1 | $10-\downarrow \downarrow 10-\forall>1$ | N＊WYヨHS | 日tて0n |
| 0．0\＄ | 0L\＄ | 00．001 | Y | 979＊0 | －＾NOO |  | 10－tレOL－$\forall \lambda \mid$ | N＊OIUヨHS | と80ก |
| $0{ }^{\circ} 0 \$$ | 6G $\angle$ \＄ | 8L＇L | 6GZ0ก | 98で0 | กSy9 | $\exists \wedge \forall \mathrm{N} \mathrm{\exists} \mathrm{\exists}$ OO O $\perp \mathrm{H} \perp \mathrm{CON} \exists \wedge \forall \mathrm{H} \forall \perp \cap \mathrm{WO}$ | $10-9 \downarrow 10-\forall>1$ | NVOIUヨHS | EZO\} |
| 0．0\＄ | 69 | てて＇て6 | Y | 98で0 | กSy9 | $\exists \wedge \forall \mathrm{N} \exists \exists \cap \mathrm{O}$ | $10-9 \downarrow 10-\forall>1$ | NVOIUヨHS | £ટ01 |
| 0．0\＄ | $\downarrow$ ¢E\＄ | 00．02 | 06003 | 00で0 | ygub | ヨIXOH 」О ヨ IW 0\％68 N IW どャレ | $10-80 \varepsilon \nabla^{-}$－ | NVOIUヨHS | 00003 |
| て＇と8て\＄ | 七¢E\＄ | $00 \cdot 08$ | Oप8 | 002＊0 | บgy】 | ヨIXOH コО ヨ IW 0\％6 8 N IW どャレ | 10－E0Et－ | N甘Oİヨ ${ }^{\text {HS }}$ | 00000 |
| 0．0\＄ | 18\＄ | 00．001 | $\lambda$ | 0000 | ydyya | 人1NกO○ ヨヨNM＊HS NI 乙80\＃ヨソロIlyg | 10－LS1レ－${ }^{\text {a }}$ | $\exists \exists \mathrm{NM}$ VHS | 七20n |
| 0．0\＄ | てヤO＇เ\＄ | 00．001 | $\lambda$ | LZ1．E | 」＾NOO |  | $10-8960-\forall \lambda \mid$ | $\exists \exists \mathrm{NM}$ \＃HS | GLOn |
| 0．0\＄ | StS＇レ\＄ | 00．001 | Y | 8t9 01 | 700＇1 |  | $10-9960-\forall \lambda$ | $\exists \exists \mathrm{NM}$ VHS | 七て0ก |
| 0．0\＄ | 1عで1\＄ | 00．001 | Y | $0 \varepsilon \varepsilon^{\circ} 0$ | 1ก980 |  | $10-\angle \varepsilon 10-\forall>1$ | $\exists \exists \mathrm{NM} \forall \mathrm{HS}$ | 七てOП |
| 0＊0\＄ | L16＇1\＄ | 00．02 | 0カton | OGL＇0 | กSY9 |  | 10－9t02－$\cap$ | $\square Ч \forall M \exists S$ |  |
| 9＊EEG＇เ\＄ | L16＇1\＄ | $00 \cdot 08$ | d $\perp$ S | OSL＇0 | กSy9 |  | 10－9ャ0て－$\cap$ | वY甘MヨS |  |
| 0．0\＄ | 七6て\＄ | 00．92 | 0tャ0ก | 009＇1． | $180 \exists \mathrm{~d}$ | H上1－ 1 Y | 10－6180－ヨ1 | वY甘MヨS |  |
| 9＊0こて\＄ | 七6て\＄ | 00＇GL | $\forall \exists \perp$ | 00G ${ }^{\circ}$ | $180 \exists \mathrm{~d}$ | Hค1－ 1 S | 10－6180－ヨ | वY甘MヨS |  |
| 0．0\＄ | ヤGでャ\＄ | 00＇GL | Y | 000 1 | กSy9 |  | $10-Z 980-\forall \lambda 1$ | वY甘MヨS | $\checkmark$ ¢0n |
| 0．0\＄ | ヤGで $\downarrow$ \＄ | 00＇92 | 88000 | 000\％ | กSy9 |  | $10-Z 980-\forall \lambda \mid$ | व $\forall \ M \exists S$ | $\downarrow$ ¢0n |
| $0.0 \$$ | てこち\＄ | 00\％01 | 0tton | 002＊0 | กSU9 |  | 10－6086－ V $^{1}$ | वY甘MヨS | $\downarrow$ ¢0П |
|  | て乙ヤ\＄ | 00.06 | $\lambda$ | 00で0 | กSy9 |  | 10－6086－${ }^{\text {－}}$ | वY甘MヨS | ฤG0ก |
| 00\＄ | 880＇ャレ\＄ | 0002 | Y | GZ6「て1 | กSy9 | ヨNI7 OО $\exists \mathrm{W}-\mathrm{MS} \mathrm{O} \mathrm{\perp} \exists$＇$\varepsilon 8-\mathrm{S} \cap \perp$ O $\mathrm{H} \perp \cap \mathrm{OS}$ | 10－02ヶL－ | $\square \sqcup \forall M \exists S$ | 091ก |
| ガ0Lでト1\＄ | 880「ャレ\＄ | 00.08 | d $\perp$ SOV | GZ6＊${ }^{\text {a }}$ | กSy9 | ヨNI7 OO $\exists \mathrm{W}-\mathrm{MS} \mathrm{O} \mathrm{\perp} \mathrm{\Xi}^{\prime} \mathrm{E}$－Sก $\perp$ O $\mathrm{H} \perp \cap \mathrm{OS}$ | 10－02カー－ | वY甘MヨS | 091ก |
| でと8ャ\＄ | †09\＄ | 00.08 | d $\perp$ S | 009＇t | กS | IW S＇t S 8 M ヨONEH | 10－ELEt－ | वY甘MヨS | 七8610 |
| 0．0\＄ | 七09\＄ | 00．02 | 88000 | 00G＊$\downarrow$ | กS |  | 10－ELEt－${ }^{\text {－}}$ | $\square \triangle \forall M \exists S$ | 七8610 |
| 0．0\＄ | 98t＇ 1 \＄ | 00＇9 | 1090n | 0000 | 180N7 |  | 10－L6Z0－ヨ | 䒑OOS |  |
| ガヤレト「1 | 98t＇ 1 \＄ | 00＇GL | $\forall \exists \perp$ | 000＇0 | 180N7 |  | 10－L6Z0－ヨ | －1OOS |  |
| 0．0\＄ | レレー\＄ | 00．001 | H | 86ャ＊9 | 700＊ |  | $10-8601-\forall \lambda \mid$ | －1OOS | S601 |
| $0.0 \$$ | 60ガて\＄ | 00．001 | Y | こLL゙カ1 | 709 1 |  | $10-9801-\forall \lambda$ | ـ1OOS | ع80П |
| 0．0\＄ | と8t＇$¢ \$$ | 00．02 | 0090 － | LZ9＊0 | กSy9 |  | L0－G00て－ | ヨNI7 ${ }^{\text {a }}$ |  |
|  | と8t＇$¢$ \＄ | $00 \cdot 08$ | d $\perp$ S | LZ9＊0 | กSy9 |  | 10－G002－ | ヨNI7＊S |  |
| 0．0\＄ | 8ても\＄ | 00．09 | 0090n | 0000 | 180N7 |  | 10－LLZ0－ヨ1 | ヨN17＊S |  |
| 0＊ャレて\＄ | 8ても\＄ | 00．09 | $\forall \exists \perp$ | 000＇0 | 180N7 |  | 10－LLZ0－ヨ1 | ヨNI7＊S |  |
| 0．0\＄ | 七てヤ\＄ | 00．001 | $\lambda$ | GLZ＇Z | 」＾NOO |  | 10－8660－$\forall \ 1$ | ヨNI7 ${ }^{\text {S }}$ | 70011 |
| $0.0 \$$ | LLZ\＄ | 00．001 | H | 0こ0＇Z | 1＾NOO |  | $10-9660-\forall \backslash 1$ | ヨNI7＊S | 701－1 |
| 0．0\＄ | 1Lて\＄ | 00．001 | $\lambda$ | 000＇0 | ydyyg |  | 10－8L80－$\forall \ 1$ | ヨNI7 ${ }^{\text {S }}$ | 万001 |
| 0．0\＄ | ZL\＄ | 00．01 | Y | 909．9 | ロヨヨS |  | ع0－6LL9－ | ヨNI7＊S | 0＜O1 |
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| 0 | 601 | OG | $\exists \perp \forall \perp$ S | 0 | 勺S |  | 10－Z8เて－${ }^{\text {－}}$ | $\exists \mathrm{IIM} \mathrm{\exists} \mathrm{\perp} \mathrm{\\|}$ ¢ |  |
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## FEDERAL FISCAL YEAR: 2009 <br> ( $15 N O$ ) NOILכחצ


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| $\left\lvert\, \begin{aligned} & \underset{\infty}{\infty} \\ & \stackrel{\infty}{\infty} \\ & \stackrel{\infty}{\omega} \end{aligned}\right.$ | $\begin{gathered} \infty \\ \omega \\ 0 \\ 0 \\ N \end{gathered}$ | が |  | $\stackrel{\sim}{\sim}$ |  | ${ }^{+\infty}$ |  | $\stackrel{\rightharpoonup}{0}\left\|\frac{\underset{\sim}{0}}{\hat{\omega}}\right\|$ |  |  | 坔 |  |  | $\begin{array}{\|c\|c\|c\|c\|c\|c\|c\|c\|c\|c\|c\|c\|} \hline \end{array}$ |  | $\stackrel{\leftrightarrow}{\text { c }}$ | $\begin{aligned} & 2 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  | ¢ |  | － |  |  | ¢ | $\begin{gathered} \text { en } \\ \text { en } \end{gathered}$ |  |  |  |  | 0 | － |  |  | $\mathrm{V}_{\text {N－}}$ |  | － |  |  |  |
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## FEDERAL FISCAL YEAR: 2009 <br> ( $15 N O$ ) NOILכחצ



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WCL TO ECL ON BERTRAND(US-24)/US-24 TO ELM ON 6TH(K-63)
FROM US-281, THENCE 2.0 MI WEST \& 1.0 MI NORTH
WCL TO ECL ON BERTRAND(US-24)/US-24 TO ELM ON 6TH(K-63)



 9.0 MILES NORTH \& 1.0 MILES WEST OF PHILLIPSBURG
 US-81 \& K-18 END OF 4-LANE TO ECL ON 14TH ST (US-56/K-156) DOWNS: US-24 FROM 2ND ST. EAST TO CLARK ST


| 0．0\＄ | 961\＄ | 00．02 | 00100 | 290＇0 | प989 |  | 10－260ヶ－ | $\exists \bigcirc \forall 77 \forall M$ | 00000 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8．991\＄ | 961\＄ | $00 \cdot 08$ | Oप8 | 290＊0 | ygy⿹ |  | 10－260t－ | $\exists \bigcirc \forall 77 \forall M$ | 00003 |
| 0．0\＄ | 160＇1\＄ | 00.08 | Y | 009＇9 | กS |  | $10-99+0-\forall \backslash 1$ |  |  |
| 0．0\＄ | 160＇เ\＄ | 00．02 | 66000 | 009＇9 | กS | IW S＇9 XOUdd | $10-9970-\forall \lambda$ |  |  |
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| 0．96を\＄ | G6t\＄ | 00.08 | d 1 S | とヤで1 | กSy9 |  | 10－680t－ | S $\forall W$ NOH $\perp$ | 88800 |
| 0．0\＄ | S6t\＄ | 00．02 | $\angle 6000$ | とちで1 | กSy】 |  | 10－680ヶ－ | S $\forall W \mathrm{WOH} \perp$ | 88800 |
| 0．0\＄ | 七¢เ\＄ | 009 | 7800ก | $8 \downarrow$ ¢＇0 | ＾07IW |  | ト0－0と1て－ |  | $180 \cap$ |
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| 8．82S\＄ | 199\＄ | 00.08 | d 1 S | 000＊$\downarrow$ | กS |  | 10－G0ヶt－ | $N O \perp N \forall \perp S$ | 80800 |
| 0．0\＄ | 199\＄ | 00．02 | †6000 | 000＊$\downarrow$ | กS |  | 10－S0tャ－ | $N O \perp N \forall \perp$ S | 80800 |
| 8．8ヤ0＇เ\＄ | レレヒ‘レ\＄ | 00.08 | d 1 S | 000＇L | กS | SヨาIIN 0＊ 1 S | ト0－891ヵ－ | $\square \mathrm{UO} \exists \exists \forall \perp$ S | 98900 |
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| 0．09t\＄ | GLS\＄ | 00.08 | OHg | 00ヤ＊ | syayb |  | 10－61レて－ | ヨNI7 ${ }^{\text {S }}$ |  |
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| 0．0\＄ | 89て\＄ | 00＇92 | 0St0 | カ†G＇0 | ＾O7IW |  | ト0－0カレて－ | ヨЗ14 | ャレOX |
| 0．0\＄ | 89て\＄ | 00＇GL | YNITV1 | จヤG＊0 | ＾O7IW | （96／t 卜－＞）${ }^{\text {a }}$ | ト0－0カレて－ | ヨ习Iપ | ヤレ0¢ |
| 0．0\＄ | てヤく\＄ | 00．09 | 0GE0ก | て，ぐ0 | ＾O7IW |  | ト0－9と1て－$\cap$ | ONヨ | 190Y |
|  | $\begin{aligned} & \text { әјеш!!sヨ } \\ & \text { әseyd } \\ & \text { чом } \\ & \hline \end{aligned}$ | elerond | әроЭ Кıобәıеう pun」 |  | $\partial \mathrm{d}$ К」 <br> Y10M |  | ıəqunN †כə！odd | əmen Kıunoう | əənoy |

## FEDERAL FISCAL YEAR： 2009 <br> （ $15 N O$ ）NOILכחצ





| 0．0\＄ | 8ヵ 2 \＄ | 00．02 | SE00J | 000＊$\downarrow$ | กS |  | ト0－E0こち－ | 人 $\forall$ पУ | てらヤ1つ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 00\＄ | 6Gこ\＄ | 00．02 | 乙\＆00つ | 00で0 | प9y9 |  | レ0－カレカャ－ | ヨ＾0勺 | 00000 |
| でし0こ\＄ | 69己\＄ | 00.08 | OY8 | 00で0 | ygyo |  | レ0－カレカカ－ | ヨ＾0勺 | 00000 |
| 0．0\＄ | カヤレ＇て\＄ | 00．001 | Y | 009 2 | กS |  | 七0－688L－ | NI7YNVY」 | 690n |
| 0．0\＄ | 06て\＄ | 00．001 | Y | 0020 | 709 ${ }^{\circ}$ |  | ع0－LEZ8－ | वYO－ | 00ヶก |
| 0．0\＄ | レ61＇も\＄ | カヤ゙で | 0ヵZOก | 00G＇0 | กSy9 |  | 10－LL86－ | 入ヨNNI」 | 9912 |
| ドとで「！ | レ61＇も\＄ | 96．と\＆ | d $\perp$ S | 00G＇0 | กSy9 |  | 10－LL86－ | 入ヨNNI」 | 991－1 |
| 0．0\＄ | レ61＇も\＄ | 09＇と乙 | Y | 00G＇0 | กSY勺 |  | 10－LL86－ | 人ヨNNI」 | 991－1 |
| 9．81姆 | とZら\＄ | 00．08 | d $\perp$ S | 000＊$\dagger$ | กS |  | 10－0ャで¢ | 入ヨNNI」 | てSヤ10 |
| 0．0\＄ | EZG\＄ | 00．02 | $8200 \bigcirc$ | 000＊$\downarrow$ | nS |  | $10-0 t て \downarrow^{-}$－ | 人ヨNNI」 | てSt10 |
| 9．81ヵ\＄ | Eટら\＄ | 00.08 | d $\perp$ S | 000＊$\downarrow$ | กS |  | 10－6とで－ | $\wedge \exists \mathrm{NNIJ}$ | 1Sカ10 |
| 0．0\＄ | EZS\＄ | 00：02 | 82000 | 000＊$\downarrow$ | กS |  | 10－6とで七－ | 入ヨNNI」 | LSカ1O |
| 0．0\＄ | G8E\＄ | 00．02 | 乙Z00つ | 001．0 | Sप9y9 |  | 10－6とをt－ | N $\forall \mathrm{Hd}$ INOO | 00003 |
| 0．80ع\＄ | G8E\＄ | 00.08 | OY8 | 0010 | Sप9 ${ }^{\text {c }}$ |  | 10－6とをt－ | N $\forall \mathrm{HdINO}$ | 00003 |
| 0．0\＄ | 89\＆\＄ | 00．02 | 1 LO0O | OSF＊0 | Sप9y9 | NヨHd | 10－08をt－ | NOSNIYOIO | 00003 |
| ブゅ6て\＄ | 89\＆\＄ | 00.08 | OY8 | OGト＇0 | Sप9પ⿹ | NヨHd | 10－08\＆t－ | NOSNIYOIO | 00003 |
| 0．0\＄ | 88乙\＄ | 00．02 | 02000 | 00で0 | ygy9 |  | 10－098t－ | पก1マОヨด | 00000 |
| $\downarrow$－0とて\＄ | 88乙\＄ | 00.08 | OY8 | 00で0 | ygy |  | 10－098t－ | とก⿺𠃊つヨ0 | 00000 |
| 00\＄ | G8E\＄ | 00．001 | $\lambda$ | 000 | 7dपy |  | 10－L060－$\forall 1$ | वपO－MVบつ | 9ヵ1－1 |
| Z＇GLZ\＄ | ヤ七\＆\＄ | $00 \cdot 08$ | d $\perp$ S | 00で0 | Sप9y9 |  | $10-288 \square^{-}$－ | 人ヨココОつ | 01003 |
| 00\＄ | ヤ七\＆\＄ | 00．02 | 91000 | 00で0 | Sप9y9 |  | 10－28をち－ | 人ヨココ0つ | 01003 |
| 0．0\＄ | ヤレと\＄ | 00．02 | G1003 | OSド0 | yay9 |  | $10-\varepsilon \varepsilon ટ \downarrow$－ | － 0070 | 00003 |
| て＇しGZ\＄ | ヤレと\＄ | 00.08 | OY8 | OGト0 | प9y勺 | NMOLS ${ }^{\text {a }}$ | ト0－をとてヵ－ | 0ก070 | 00003 |
| 00\＄ | OGเ\＄ | 00．02 | 21003 | 00で0 | yay9 |  | ト0－ヵてZち－ | ヨNNヨ人ヨНО | 00003 |
| 0．021\＄ | OGเ\＄ | 00．08 | OY8 | 00で0 | पgy9 | 人 1 O－ | ト0－ヤてZち－ | ヨNNヨ入ヨНО | 00003 |
| 00\＄ | \＆1 $2 \$$ | 00．02 | 1.000 | とてよ＊ | Sप9y9 | NO | 10－をてZち－ | ヨヨУОЧヨНО | 00000 |
| フ0LS\＄ | とトL\＄ | $00 \cdot 08$ | OY8 | \＆てよ＊ | Sप9yワ |  | ト0－をてZち－ | ヨヨンОЧヨНО | 00003 |
| 00\＄ | 0عカ\＄ | 00．02 | 1，000 | 09ド0 | Sप9પ⿹ | $77 \exists \mathrm{MO} 7 \mathrm{\forall H}$ JO S IW Sて＇ 8 ¢ M IW G＇ | ト0－91てカ－ | ヨヨУОปヨНО | 00000 |
| 0＇七七¢\＄ | 0عヤ\＄ | $00 \cdot 08$ | Oप8 | 09100 | Sप9y9 | $77 \exists M O 77 \forall H$ JO S IN Sて＇ 8 M IW S＇ | ト0－91で－ | ヨヨン્પЭНО | 00003 |
| 0．0\＄ | E8S\＄ | 00．001 | $\lambda$ | 0000 | ＾7กว |  | 10－t060－ －$^{\text {d }}$ | $\exists$ SVHO | LLLY |
| 0．0\＄ | ヤレと「レ\＄ | 00．09 | 0810ก | 00で0 | กsy9 |  |  | บヨาคก8 | LLOn |
| 0．0\＄ | カレと「レ\＄ | 00\％09 | Y | 00で0 | กSy |  |  | บヨาคก8 | $\angle L O \cap$ |
| 00\＄ | と6E\＄ | 00．02 | 20003 | $00{ }^{\circ} 0$ | Sप9 | $\forall \mathrm{H} \perp \forall \mathrm{M} \forall \mathrm{IH}\lrcorner \mathrm{O}$ คSヨM IW $8.08 \mathrm{H} \perp$ OOS IW $\mathrm{c}^{\circ} \mathrm{Z}$ | 10－ヤをても－ | NMOY8 | 00003 |
| ガヤレと\＄ | ع6E\＄ | $00 \cdot 08$ | OY8 | $008^{\circ} 0$ | Sप9 ${ }^{\text {a }}$ |  | 10－ヤEで七－ | NMOYg | 00003 |
| 0．0\＄ | G6t\＄ | 00．001 | Y | 0000 | 7dYy |  | 10－0160－ －$^{\text {－}}$ |  | 0910 |
| でL8S\＄ | $\downarrow \subset \angle \$$ | 00.08 | d $\perp$ S | 008＇9 | กS |  | 10－80てt－ | NOSUヨaN $\forall$ | 001てつ |
| 00\＄ | 七Єん\＄ | 00．02 | 2000つ | 008＇G | กS |  | ト0－80てカ－ | NOSUJON $\forall$ | 001てつ |
| 0．0\＄ | OGเ\＄ | 00：02 | 20000 | OSF＇0 | ygy9 | OIVONIV $\ddagger$ S S IW L＇ı 8 M IW G＇ | 10－LOZち－ | NOSとヨaNV | 00003 |
| 961．\＄ | OGเ\＄ | 00：08 | Oप8 | OSF＊0 | y9y9 | OIVONIV JO S IW L＇ı 8 M IN G＇ | 10－LOZち－ | NOSUヨON $\forall$ | 00003 |
| 0．0\＄ | 10乙\＄ | 00．02 | 0LEOก | 090＇0 | Sप9 ${ }^{\text {dy }}$ |  | เ0－ZSเて－ | Nヨ77＊ |  |
| 8．091\＄ | เ0こ\＄ | 00.08 | WYg | 090＇0 | Sप9 |  | ト0－ZSเて－ | Nヨ77＊ |  |
|  | $\begin{aligned} & \text { әғеш!!sヨ } \\ & \text { әseud } \\ & \text { yıо } \end{aligned}$ | eleadd | әроэ রıобәғл pun」 |  | $\begin{aligned} & \partial \mathrm{d} K_{\perp} \\ & y_{10} \mathrm{M} \end{aligned}$ |  | ıəqunN łəə！o＾d | əmen Kıunoう | ə̨noy |

## 



| －069\＄ | ع98\＄ | 00．08 | d $\perp$ S | OGL＇L | กS |  | 10－9くてゅ－ | ヨN408SO | LIG00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0．0\＄ | と98\＄ | 00．02 | 12000 | OGL＇L | กS | Sヨ7IW SL＇L 1 SVヨ ヨNपO8SO WOY」 | 10－9Lてか－ 3 | ヨNU08SO | LIG00 |
| 0．0\＄ | 9LL＇L\＄ | 00＇GL | Y | 0080 | กSYD | （ $\exists \perp \cap \mathrm{NVHO} \ddagger \mathrm{O}$＇S）H | $10-0780-\forall>1$ | OHSOEN |  |
| 0．0\＄ | 9LL＇ 1 \＄ | 00＇92 | 29000 | 0080 | กSYD |  | $10-0780-\forall>1$ | OHSOヨN |  |
| 0．82L\＄ | 016\＄ | 00＇08 | d 1 S | 6LS＇6 | กS | IW 9＇0 ヨ ヨONEH上＇IW 0＇6 N ヨONヨH上＇व7ヨIコHOIપ $\ddagger$ M M IW 0＇L | 10－810ヵ－ | NOLYOW | 8Lャ00 |
| 0．0\＄ | 016\＄ | 00．02 | G9000 | 6LS 6 | กS |  | ト0－8เ0t－ | NOLYOW | 8Lャ00 |
| $0 \cdot 0 \$$ | 08て\＄ | 00＊001 | H | 0000 | $\wedge 7 \cap \bigcirc$ |  | $10-1860-\forall>1$ | SİCYOW | 990n |
| $00 \$$ | L8\＄ | 00．001 | Y | 0000 | ＾7กว |  | $10-8880-\forall>1$ | SİCyOW | †00¢ |
| 0．0\＄ | S97\＄ | 00．001 | Y | 0000 | $\wedge 7 \cap \bigcirc$ |  | $10-t G 80-\forall>1$ | SİCyOW | †00¢ |
| $0 \cdot 0 \$$ | 9LE\＄ | 00．02 | †9000 | 0080 | Sugy |  | 10－89てゅ－ | SİCyOW | 00000 |
| 8．00ع\＄ | 9LE\＄ | 00.08 | Oपg | $00{ }^{\circ} 0$ | Sugy |  | 10－89で－ | SIUYCW | 00003 |
| $0 \cdot 0 \$$ | て10＇1\＄ | 00．02 | $\varepsilon 9000$ | 00で0 | sugy |  | 10－6Gレカ－ | 人 $4 \exists W O \bigcirc \perp N O W$ | 68020 |
| 9．608\＄ | て10＇1\＄ | $00 \cdot 08$ | S ${ }^{\text {a }}$ | 00で0 | Su9y9 |  | 10－6Sトカ－ | 人UヨWOפ」NOW | 68023 |
| 0．0\＄ | ES8\＄ | 00＇9 | 0800 ก | 00で0 | กSy |  | $10-9880-\forall>1$ | $77 \exists \mathrm{HOLIW}$ | ヤレ0¢ |
| 0 0\＄ | ES8\＄ | 00＇96 | $\lambda$ | 00で0 | กSU9 |  | $10-9880-\forall>1$ | $77 \exists \mathrm{HOLIW}$ | ヤ10¢ |
| $0 \cdot 0 \$$ | 061＇เ\＄ | 00．001 | Y | 96で0 | กSY勺 |  | $10-\angle t 80-\forall>1$ | コロVヨW | 860¢ |
| $\downarrow$－886\＄ | ELL＇เ\＄ | $00 \cdot 08$ | dıS | OZで0 | sugy | NOSUヨHdOW 」O ヨ IN 00\％ 8 S IW 8＇9 | 10－92をt－${ }^{\text {－}}$ | NOSUヨHdOW | とャ0てつ |
| 0．0\＄ | とL1＇เ\＄ | 00．02 | 69000 | OZで0 | Su9y9 | NOSUヨHdOW 」O ヨ IW 0＇E 8 S IW 8＇9 | 10－9てEt－${ }^{\text {－}}$ | NOSUヨHdOW | とャ0てつ |
| 8．028\＄ | 920＇ 1 \＄ | 00.08 | d 1 S | カレで0 | Sugy |  | 10－GZをt－－ | NOS ${ }^{\text {a }}$ HdOW | \＆ャ0てつ |
| 0．0\＄ | 920＇ 1 \＄ | 00．02 | $6 \mathrm{G000}$ | ャレで0 | Su9y9 | NOSUヨHdOW 」O ヨ IW L＇Z 8 S IW ャ＇9 | 10－GZEt－ | NOSUヨHdOW | とヤ0こつ |
| †－996\＄ | 80て＇1\＄ | 00.08 | d $\perp$ S | 000＊$\dagger$ | กSYワ | $\forall d W \forall \perp O \perp \exists \exists O N \exists H \perp$＇$¢ 1->$ | 10－992t－ | NOIUVW | 6てヤ00 |
| 0．0\＄ | 80て＇ 1 \＄ | 00．02 | L9000 | 000＊$\downarrow$ | กSY | $\forall d W \forall \perp O \perp \exists \exists \mathrm{O} \exists \mathrm{H} \perp$＇ $\mathrm{S}^{-1}$－ | 10－992ヵ－ | NOIU＊W | 6で00 |
| $0 \cdot 0 \$$ | 908\＄ | 00．001 | Y | 0000 | YОヨО |  | $10-8980-\forall>1$ | NO人7 | 660Y |
| 8．089\＄ | LS8\＄ | 00.08 | d $\perp$ S | OG1．0 | Sugy | ヨd70 」О ヨ IW G＇t 8 N IW ガ9 |  | NO 17 | 0LG10 |
| 0．0\＄ | LG8\＄ | 00．02 | 9 SOOO | OSF＇0 | Sugy9 |  | 10－LZとち－ | NO人7 | 0L91O |
| 9＊G己て\＄ | て8て\＄ | $00 \cdot 08$ | d 1 S | 000 1 | กS |  | 10－Lレヤも－ | N＊VO7 | 89610 |
| 0．0\＄ | て8て\＄ | 00．02 | GG000 | 000 1 | กS |  | 10－Lレヤも－ | N＊VO7 | 8G610 |
| 0 0\＄ | てカャ\＄ | 00．02 | †G000 | 0010 | sugy | HOI | 10－ $298 t-$－ | NNI7 | 68 ¢00 |
| 9＊ESE\＄ | てヤセ\＄ | 00.08 | S ${ }^{\text {a }}$ | 0010 | Su9y勺 | HOICOOO⿹ JO S IW 9＊0 | $10-\angle 9 \varepsilon t^{-}$－ | NNI7 | 68800 |
| 0＊0\＄ | E6L\＄ | 00．02 | ES000 | 0010 | yayb | N7OONI7 JO S IW ト．0 8 コ IW E＇己 | 10－092t－ | N703NI7 | 00000 |
| ガャらト\＄ | E6L\＄ | 00.08 | Oप8 | 0010 | บ和勺 |  | 10－092ヵ－ | N7OONI7 | 00003 |
| 0．0\＄ | 0عE\＄ | 00．001 | Y | 0000 | $\wedge 7 \cap \bigcirc$ |  | 10－8060－$\because>1$ | ヨ11ヨ8 77 | 1012 |
| 0．0\＄ | 66て\＄ | 00．02 | 09000 | 09100 | प9પ9 | $\forall$ NGヨ JO M IW c＇o | ト0－Gレカも－ | $3 \perp 1 \exists 8 \forall 7$ | 00000 |
| で6をて\＄ | 66て\＄ | $00 \cdot 08$ | Oपg | 09100 | प9प9 |  | ト0－Gレヤも－ 3 | $3 \perp \perp \exists 8 \forall 7$ | 00003 |
| 0．0\＄ | †9¢\＄ | 00．001 | Y | 009＇0 | ＾O7IW |  | $10-2880-\forall>1$ |  | 6910 |
| 0．0\＄ | GG6\＄ | 00．02 | 0ヶ00つ | OGで0 | Su9y9 | NOLMヨN $\ddagger$ O M IW G＇9 | 10－でで－ | 人ヨへ $\ \forall \mathrm{H}$ | $67 \angle 00$ |
| 0＇ャ9 ${ }^{\text {d }}$ | G96\＄ | 00.08 | S 48 | 0¢で0 | sy9y9 | NO\＆MヨN $\ddagger$ O M IW c＇ | 10－てカてヵ－ | $\wedge \exists \wedge$ ¢ ${ }^{\text {d }}$ | $67 \angle 00$ |
| $0 \cdot 0 \$$ | と99\＄ | 00．001 | $\lambda$ | 000 | $\wedge 7 \cap \bigcirc$ | $\exists \mathrm{NI} 7$ ヨ | 10－6060－$\forall 1$ | पヨd ${ }^{\text {d }}$ | 6L1 |
| 8．09\＄ | 92\＄ | 00.08 | d $\perp$ S | 七て100 | y9y9 | ヨOVYOH 」O H上YON SヨרIW 0＇乙 | 10－9992－ | 人ヨ7ヨヨコワ | 02910 |
| 0．0\＄ | 9L\＄ | 00．02 | 98000 | ャてド0 | प9प9 | ヨOVYOH 」О H上YON SヨาIW 0＇Z | 10－9992－ | 人ヨ7ヨヨได | 02910 |
| †－86S\＄ | $8 \downarrow \angle \$$ | 00.08 | $\mathrm{d} \perp \mathrm{S}$ | 000＊$\downarrow$ | กS |  | 10－E02t－$\bigcirc$ | 人 $\forall$ ¢⿹ | てSカ1O |
|  | $\begin{aligned} & \text { ә十еш!!!s } \\ & \text { әseyd } \\ & \text { צıо } \end{aligned}$ | elejodd | әро亏 イиобәəеう pun」 | पł6uə7 łoe！odd | $\begin{aligned} & \partial \mathrm{d} K_{\perp} \\ & \text { Y } 10 \mathrm{M} \end{aligned}$ |  | ıəquinN <br>  | əmen Kıunoう | əənoy |

##  <br> 



| 9＊GZL\＄ | L06\＄ | 00．08 | Sप9 | $661^{\circ} 0$ | Sप9y9 |  | 10－010ヤ－ | NOSOOOM | ZSG00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0．0\＄ | G0E\＄ | 00．02 | ع0100 | 00で0 | Sप9บワ | VHS | ト0－ヤ8をt－ | NOS7IM | GLE0O |
| 0＇ワャて\＄ | S0E\＄ | 0008 | Sप8 | 00で0 | Sप9y9 |  | 10－ヤ8\＆${ }^{\text {－}}$－ | NOS7IM | GLE0O |
| 0．0\＄ | 七てて\＄ | 00＇92 | 9LG0n | 009＇0 | กSy |  | 10－9880－ －$^{\text {d }}$ | NO」⿹NIHS M | G10Y |
| 0．0\＄ | 〉てて\＄ | 00＇GL | V | 009 0 | กSy |  | $10-9880-\forall \backslash$ | NO」⿹NIHS M | G10¢ |
| $0 \cdot 0 \$$ | 七81\＄ | 00．02 | LOLOO | 00で0 | प9y9 |  | 10－LLEt－ |  | 8トワレO |
| でしっレ\＄ | 七81\＄ | 00.08 | Sप9 | 00で0 | प9प9 | 」VヨาNヨヨソソ 」О ヨ IW でて 8 N IW 9＇\＆ | $10-\angle L E t-\bigcirc$ | NO」⿹NIHS ${ }^{\text {M }}$ | 8เヤレO |
| カて0と\＄ | 8LE\＄ | 00.08 | dIS | OG100 | Sप9yワ | OOIXVd JO S IW ¢ 0 8 ヨ IW L＇0 | 10－ELEt－ | ヨヨSNกVG＊M | 09900 |
| 0．0\＄ | 8LE\＄ | 0002 | 66000 | OG100 | Sप9y9 | OOIXVd JO S IW ع＇0 8 ヨ IW L＇0 | $10-\varepsilon เ \varepsilon t-\bigcirc$ | $\exists \exists \mathrm{SN}$ 相 | 09903 |
| 0．0\＄ | 89E\＄ | 00．02 | 86000 | 00で0 | ygyV |  | 10－トレEt－ | O⿹ヨ⿺𠃊 | 00003 |
| ガャ6て\＄ | 898\＄ | 00．08 | Oप8 | 00で0 | प9บ勺 |  | ト0－1旳－ | O⿹ヨ⿺𠃊 | 00003 |
| 0＊0\＄ | 669＇เ\＄ | 00．02 | 0z90n | L80＇1 | กsy |  | 10－068 ${ }^{-}$－ | บヨNWกS |  |
| で6SE＇1\＄ | 669＇เ\＄ | 00．08 | d 1 S | $\angle 80^{\circ}$－ | กS ${ }^{\text {a }}$ |  | 10－068 ${ }^{-}$－ | บヨNWกS |  |
| 0．0\＄ | こてト「เ\＄ | 00．01 | 0290ก | OGL＇0 | กSy |  | $10-\downarrow 780-\forall \lambda$ | บヨNWกS | 0910 |
| $0 \cdot 0 \$$ | こてト＇เ\＄ | 00.06 | Y | OSL＇0 | กSy |  | 10－ヤヤ80－$\forall$－ | บヨNWกS | 091ก |
| 0．0\＄ | 0عટ\＄ | 00．02 | 26000 | 00で0 | प9प9 |  | ト0－て0とも－ | HLIWS | 00000 |
| 0＊七81\＄ | 0عટ\＄ | 00.08 | Oप8 | 00で0 | प9y9 |  | 10－20Et－ | H上IWS | 00000 |
| 0．0\＄ | EGZ\＄ | 00．02 | 2600つ | 00で0 | प989 | પ̇コNJ | 10－10Et－ | H上IWS | 00003 |
| †でここ\＄ | とGこ\＄ | $00 \cdot 08$ | Oपg | 00で0 | प9y勺 |  | 10－10をt－ | HDIWS | 0000 |
| 0．0\＄ | ع98\＄ | 00．02 | 0LZ0ก | OG100 | กSy |  | $10-\angle E 80-\forall \backslash$ | NVWYヨHS | 8ャて0ก |
| 0．0\＄ | と98\＄ | 00.08 | Y | OSF＇0 | กSy |  | $10-\angle E 80-\forall \backslash \mid$ | NVWUヨHS | 8t20n |
| 0＊0\＄ | ャ8て\＄ | 00．02 | 06000 | 6600 | ygyo | ヨIXOH 」О $\perp$ SVヨ IW ¢＇ャ 8 H | 10－てELE－Э | NVOIUヨHS | 00000 |
| でしてZ\＄ | 七8て\＄ | 00.08 | Oप8 | 6600 | ygy勺 |  | 10－ટદLE－ | N $\forall$ OIUヨ ${ }^{\text {d }}$ | 00003 |
| 0．0\＄ | 08G\＄ | 00＇GL | Y | 000 1 | กS |  | $10-8880-\forall \backslash$ | SyOOY |  |
| $0 \cdot 0 \$$ | 0عG\＄ | 00＇G2 | 28000 | 000 1 | กS |  | $10-8880-\forall \lambda$ | SYOOY |  |
| 0．0\＄ | 8で\＄ | 00＇G1 | 09ヶ0ก | $0+0 \cdot 0$ | nsy |  | $10-1880-\forall \lambda$ | 人킨 | ع1トV |
| 0．0\＄ | 8て1\＄ | 00＇98 | Y | OtO 0 | nsy |  | $10-1880-\forall \lambda$ | 人ㅋ깁 | ع1L－ |
| 0＊89G＇L\＄ | 096＇เ\＄ | 00.08 | d $\perp$ S | とカで | กSบป |  | เ0－เて6と－ | 人ヨาㅣㅣ | 00000 |
| $0 \cdot 0 \$$ | 096＇ 1 \＄ | 0002 | 18000 | とヤで 1 | กSy |  | 10－1Z6E－ | 人킨 | 00000 |
| 0．0\＄ | 80†\＄ | 00．02 | 08000 | 00で0 | प9प9 |  | ト0－0てカも－ | ヨ习Iપ | 00000 |
| †＇92を\＄ | 80ヵ\＄ | $00 \cdot 08$ | Oपg | 00で0 | प9प9 |  | 10－0てヤワ－ | ヨЗIप | 00003 |
| 0．0\＄ | Gこて\＄ | 00．001 | Y | 0000 | ヘากจ |  | 10－E060－$\forall \lambda$ | 9178กdヨy | 8ャ1－1 |
| 0＇GLZ\＄ | G1て\＄ | 00．001 | SHNOV | 0ع9＇8 | ロヨヨS |  | Z0－ZGZ8－ | ONE | 1901 |
| $0{ }^{\circ} 0 \$$ | LLで1\＄ | 00．07 | 08900 | Lعで0 | กSy | LS $\perp$ SL）00t／tG－S | $10-\varepsilon \dagger 80-\forall \lambda$ | －1VYd | 1820 |
| $0 \cdot 0 \$$ | LLて＇ 1 \＄ | 00.09 | 1 | LEで0 | กSY | $\perp$ ¢ $\perp$ SL）00t／tG－S | $10-\varepsilon \downarrow 80-\forall \lambda$ | －1VUd | 1820 |
| 9＇991\＄ | LOZ\＄ | $00 \cdot 08$ | d $\perp$ S | 00で0 | ygy勺 |  | 10－6Lで－ | SdI77IHd | 6Z900 |
| 0＊0\＄ | LOZ\＄ | 00．02 | 七L00つ | 00で0 | y9y9 | 勺บ¢ | 10－6Lです－ | SdI77IHd | 6Z900 |
| でとて9\＄ | 6LL\＄ | 00.08 | d 1 S | 006＊$\dagger$ | nS |  | 10－8Lです | $\exists \exists \mathrm{NM} \forall \mathrm{d}$ | GZZ0） |
| 0．0\＄ | 6LL\＄ | 00．02 | EL000 | 006＊$\dagger$ | TS | SヨาIW 6＇ャ HคกOS ヨONヨH』＇a7ヨlコy | ト0－8Lです | $\exists \exists \mathrm{NM} \forall \mathrm{d}$ | GZZ00 |
| 0＊0\＄ | とOt\＄ | 00．02 | 12003 | 00で0 | प9प9 |  | 10－1LEt－ | JNप08SO | 00000 |
| †てટと\＄ | と0t\＄ | 00.08 | OY8 | 00で0 | ygyป | NOL7＊JO ヨ IW 0＊ャ 8 S IN S 0 | 10－1LEt－ 3 | ヨNy08SO | 00000 |
|  |  | elenold | әроЭ кıобәдеう pun」 |  | $\begin{aligned} & \partial \mathrm{d} K_{\perp} \\ & y_{10} \mathrm{M} \end{aligned}$ |  | ıəqunN łəə！o＾d | əmen Kıunoう | əə̨noy |

## OLOZ ：y <br> 



| ع＇18て＇Lz\＄ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0．0\＄ | L06\＄ | 00．02 | 70100 | $661^{\circ} 0$ | Sugy |  | 10－010t－${ }^{\text {O }}$ | NOSOOOM | ZSS00 |
|  <br>  рəңっədxヨ | әғеш！！sヨ әseyd y10 M | elenodd |  | पІбиә7 100！0，d | $\begin{aligned} & \hline \partial \mathrm{d} K_{\perp} \\ & y_{10} \end{aligned}$ |  | ıequnn poelodd | əmen Kıuno | əınoy |

STATE TRANSPORTATION IMPROVEMENT PROGRAM PROJECT LIST
（DOLLAR AMOUNTS IN THOUSANDS，SOME AMOUNTS MAY BE ROUNDED．）
WORK PHASE：CONSTRUCTION ENGINEERING（CE）and CONSTRUCTIN（CONST）
FEDERAL FISCAL YEAR： 2010

| 0．0\＄ | ELI\＄ | 00．02 | 0290n | $\angle 80{ }^{\circ} 0$ | sugy |  | 10－Z991－ | y ${ }^{\text {a }}$ NกS |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ELI\＄ | 00.08 | OYG | $\angle E 0^{\circ} 0$ | Sugyb | \ヨヨપ S S | เ0－Z991－ก | y ${ }^{\text {d／W}}$ |  |
| 0＇0\＄ | ELI\＄ | 00．02 | 0290ก | 6100 | Sugyb |  | 10－1991－ | บヨNWกS |  |
| †＇8EL\＄ | ELI\＄ | $00 \cdot 08$ | Oपg | 6100 | sugy9 | પヨヨપ SIV | 10－1991－ | y ${ }^{\text {daN}}$ |  |
| て＇Gレー＇て\＄ | 610＇E\＄ | 00.08 | d 1 S | 009＇Z | กSบป |  | $10-80 \varepsilon \downarrow^{-}$－ |  | ャャ900 |
| 0．0\＄ | 610＇を\＄ | 00．02 | 96000 | 009＇Z | กSUV |  | 10－80をも－ 3 | y ${ }^{\text {d／W}}$ | ャ七900 |
| 0＇0\＄ | $8 \downarrow \angle \$$ | 00．02 | 78000 | 00G＇0 | प9บ9 |  | 10－16です－ | $77 \exists$ SSny | 00000 |
| †－86S\＄ | 8ヤく\＄ | 00.08 | Oप8 | 00G＇0 | ygyb |  | $10-162 \downarrow$－ | $77 \exists$ SSกบ | 00000 |
| $0 \cdot 0 \$$ | 乙とヤ\＄ | 00．02 | $\varepsilon 9000$ | 06100 | ygyo |  | ト0－8レヤマ－ 3 | 人 $4 \exists W O \bigcirc \perp N O W$ | 00000 |
| 9＊StE\＄ | 乙とヤ\＄ | $00 \cdot 08$ | Oपg | 0610 | ygyb |  | ト0－8レカワ－ | 人 UヨWOソ $^{\text {d }}$ | 00000 |
| 0．0\＄ | 898＇1\＄ | 00．02 | 19000 | とトト0 | प9 | 」Wר 入」О $\forall 70 \forall d$ 」 | $10-て Z \triangleright \downarrow$－ | IWVIW | †0910 |
| ガヤ6ヤ＇レ\＄ | 898＇1\＄ | 00.08 | WHE | とトト＊ | प8 | 」W7 入ıO $\forall 70 \forall d$ 」 | $10-て Z \triangleright \downarrow$－ | IWVIW | 70910 |
| 0．0\＄ | OG $\angle \$$ | 00．02 | 19000 | 00で0 | Sप9પป勺 | ヨา⿹勹ヨコ コО ヨ IW 0＊ 8 N IW ャて | ト0－LGトワ－$\bigcirc$ | IWVIW | 00000 |
| 0．009\＄ | OG 2 \＄ | 00.08 | Oप8 | 00で0 | sugy |  | 10－LSトロ－$\bigcirc$ | IWVIW | 00000 |
| $0 \cdot 0 \$$ | 0ヤて\＄ | 00．02 | †G000 | 0010 | Sugyb | NOLNVS＊ヨ7d $\ddagger$ O M IW 6．0 8 N IW $\mathrm{c}^{\circ} 0$ | 10－89をt－ 0 | NNI7 | 00000 |
| 0＇Z61\＄ | 0ヤて\＄ | 00.08 | Oप8 | 0010 | Sप9y9 | NOLN＊S＊ヨ7d $\ddagger$ O M IW 6．0 8 N IW ${ }^{\circ} 0$ | $10-89 \varepsilon t-\bigcirc$ | NNI7 | 00000 |
| 00\＄ | 6Gこ\＄ | 0002 | 09000 | 00で0 | ygyo |  | ト0－9トヤマ－ | $\exists \perp \perp \exists 9 \forall 7$ | LLE0O |
| でし0こ\＄ | 6Gこ\＄ | 00.08 | Sप8 | 00で0 | ygyb |  | ト0－9トヤマ－ |  | LLE00 |
| が9ャ0＇เ\＄ | 80ع＇เ\＄ | 00.08 | d 1 S | 000＊0 | Sप9પป |  | 10－98をも－ | 人ヨ＾UVH | L0ع00 |
| $0 \cdot 0 \$$ | 80ع＇เ\＄ | 00．02 | $0 ヤ 000$ | 0000 | sugy9 | OG－Sก O」 IW ャ゙ + N S | $10-98 \varepsilon \downarrow^{-}$－ | $\lambda \exists \wedge$ ¢ $\forall \mathrm{H}$ | L0800 |
| 0＊96と‘ح\＄ | 966＇ટ\＄ | 00.08 | d $\perp$ S | 000＊81 | กS | IW 81 $\exists$ N7 OO पヨgy | ト0－トてカワ－$\bigcirc$ |  | عZ61O |
| $0 \cdot 0 \$$ | 966‘Z\＄ | 00．02 | 68000 | 000＊${ }^{\text {1 }}$ | กS | IW 81 $\exists$ N7 OO पヨgy la Woyd | ト0－トてヤマ－$\bigcirc$ | ¢ $\exists \mathrm{d}$ ¢ $\forall \mathrm{H}$ | \＆Z61O |
| 0＇968＇1\＄ | 0LE＇乙\＄ | $00 \cdot 08$ | d $\perp$ S | 001＇Z | กSบป | Q＾78 dપ४ | $10-0 \varepsilon \varepsilon \downarrow^{-}$－ | वपO－ |  |
| $0 \cdot 0 \$$ | 0LE＇乙\＄ | 00．02 | 62000 | 001＇Z | กSY勺 | Q＾78 dપ丬 | $10-0 \varepsilon \varepsilon \nabla^{-}$－ | $\square \mathrm{COH}^{\text {a }}$ |  |
| $0.0 \$$ | 09ャ\＄ | 00．02 | 92000 | OG100 | ygyb | SI77ヨ JO M IW 0 1 ONV S IW で0 | ト0－をレカワ－$\bigcirc$ | SI77ヨ | 00000 |
| 0－898\＄ | 09ヵ\＄ | 00.08 | OपG | OSト＇0 | y9y9 | SI77ヨ JO M IW 0 1 ONV S IW で0 | $10-\varepsilon レ \downarrow \nabla$－ | SI77ヨ | 00000 |
| †＇8ES\＄ | EL9\＄ | 00.08 | d $\perp$ S | OSL＇G | กS | IW SL｀G M 8 S $\exists$ ONヨH | $10-\varepsilon 9 \varepsilon t-\bigcirc$ | 273 | $6 \angle 903$ |
| 0＇0\＄ | EL9\＄ | 0002 | GZ000 | OGL＇G | กS |  | $10-898 \nabla^{-}$－ | 273 | $6 \angle 900$ |
| 0 0\＄ | Sカロ\＄ | 00．02 | 12000 | OG1．0 | sugy | ヨNIGOOOM JO M IW cio 8 S IW 9 0 | $10-18 \varepsilon t-\bigcirc$ | NOSNIYOIO | 00000 |
| 0．95E\＄ | Sカヤ\＄ | $00 \cdot 08$ | Oपg | OSト＇0 | sugy9 | ヨNI8OOOM JO M IW sio 8 S IW 9 0 | $10-18 \varepsilon \nabla^{-}$－ | NOSNIYOIO | 00000 |
| $00 \$$ | LGE\＄ | 00．02 | 02000 | 00で0 | ygyb |  | $10-198 t-\bigcirc$ | पก⿺𠃊つヨด | 00000 |
| 9＊98て\＄ | LGE\＄ | 00.08 | Oप9 | 00で0 | प9પ⿹ |  | 10－198t－ | पก⿺𠃊つヨด | 00000 |
| $0 \cdot 0 \$$ | GLZ\＄ | 00．02 | Gl000 | OGド0 | ygyo |  | ト0－てレヤマ－ 3 | 0ก070 | 00000 |
| $0 \cdot 0 乙 乙 \$$ | GLZ\＄ | 00.08 | OYg | OGト0 | ygys |  | ト0－てレヤマ－ 3 | 0，070 | 00003 |
| 00\＄ | 88乙\＄ | 00．02 | 1.000 | OG100 | sugy9 | $7 \forall \cup \perp \cap \exists N$ 」O ヨ IW 8＊Z 8 S IW 8＊0 | $10-66 \varepsilon t^{-}$－ | ヨヨ习习પヨНО | 10100 |
| †0．0とて\＄ | 88乙\＄ | $00 \cdot 08$ | Sप8 | OSト＇0 | sugy9 | $7 \forall \cup \perp \cap \exists N$ 」O ヨ IW 8＊己 8 S IW 8＊0 | $10-66 \varepsilon \nabla^{-}$－ | ヨヨソОЧヨНО | 10100 |
| 0．0\＄ | LOE\＄ | 00．02 | 90000 | $00 \varepsilon^{\circ} 0$ | sugy9 | QNヨ® 」Vヨบソ 」О ヨ＇IW L＇Z | 10－60カマ－$\bigcirc$ | NOıY ${ }^{\text {a }}$ | 00000 |
| 9＊Sちて\＄ | LOE\＄ | 00.08 | Oपg | $00{ }^{\circ} 0$ | Sugy9 | ONヨ8 」Vヨบソ 」О ヨ＇IW L＇己 | ト0－60カマ－$\bigcirc$ | NOıY | 00000 |
| 0．0\＄ | Lてヤ\＄ | 0002 | G0000 | 00で0 | प9Y9 |  | ト0－86レヤ－ | NOıY＊g | 00000 |
| 9＊レセを\＄ | Lてカ\＄ | 00.08 | Oप8 | 00で0 | ygyo |  | ト0－861ヵ－ | NOıY ${ }^{\text {d }}$ | 00000 |
|  | $\begin{gathered} \text { әџеш!!sヨ } \\ \text { әseud } \\ \text { уом } \\ \hline \end{gathered}$ | elerodd | әроЭ イıобәдеэ pun」 |  | $\begin{aligned} & \partial \mathrm{d} K_{\perp} \\ & \text { Y } 10 \mathrm{M} \end{aligned}$ |  | ıəqunN <br>  | əmen Kıunoう | əұnoy |

##  <br> （ $15 N O$ ）NOILכחצ



 | C -4387-01 | 0.5 MILES WEST \& 4.4 \& 4.5 MILES SOUTH OF GREENLEA |
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| C -4387-01 | 0.5 MILES WEST \& 4.4 \& 4.5 MILES SOUTH OF GREENLEA |

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WORK PHASE: CONSTRUCTION ENGINEERING (CE) and CONSTRUCTION (CONST)
FEDERAL FISCAL YEAR: 2011



| $0.801 \$$ | 801\＄ | 00＇001 | SıपS | 000＇0 | 70ヨdS | $\exists \mathrm{IIM} \mathrm{\exists} \mathrm{\perp} \mathrm{~V}$ ¢S | 60－9990－V＞｜ | $\exists \mathrm{I} M \exists \perp \forall \perp$ S |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0．091\＄ | 002\＄ | 00.08 | d 1 S | 000＇0 | $\exists \mathrm{d}$ |  | 80－1628－ |  |  |
| 0．0\＄ | 002\＄ | 00．02 | Y | 000＇0 | $\exists \mathrm{d}$ |  | 80－1628－ $\boldsymbol{-}$ |  |  |
| 0．0\＄ | 0ヶ6\＄ | 00．02 | प 3 H ¢O | 000＇0 | $\exists \mathrm{d}$ |  | 60－St9s－－ | $\exists \mathrm{IIM} \mathrm{\exists} \mathrm{\perp V} \mathrm{\perp S}$ |  |
| 0＇ZSL\＄ | 0ヶ6\＄ | 00.08 | OWO | 000＇0 | $\exists \mathrm{d}$ |  | 60－St9s－－ | $\exists \mathrm{IIM} \mathrm{\exists} \mathrm{\perp V} \mathrm{\perp S}$ |  |
| 0．0\＄ | SZL＇1\＄ | 00＇001 | Y | 09でと | MOUヨd |  | 10－LOLL－${ }^{\text {a }}$ | $\forall \mathrm{MOIX}$ | tSOn |
| 0．0\＄ | 29E\＄ | 00＇001 | Y | 009 ${ }^{\circ}$ | กSy̧ |  | 10－くカレードV｜ | 人ヨาMOつ | LLOn |
| $0^{\circ} \mathrm{Z}$ \＄ | 乙\＄ | 00．001 | dISH | ととヤ＊ 1 ¢ | HW＾${ }^{\text {d }}$ |  |  | ヨヨ习ОบヨНО | 00tก |
| 0．0\＄ | E\＄ | 00＇001 | \＆ $290 \cap$ | 00で0 | กSy |  | $10-98 \angle 0-\forall \lambda \mid$ | บヨาคก8 | $\downarrow$ ¢On |
| 0．0\＄ | દGこ\＄ | 00＇001 | 0120n | $000^{\circ}$ | กS | L1OOS $\perp$ UO」 NMOINMOO | $10-62 \downarrow 0-\forall \lambda \mid$ | No84ก08 |  |
| $\begin{aligned} & \text { әғе6!\|\|qO O। } \\ & \text { p!甘 \|eләрә」 } \\ & \text { pəұәәdxヨ } \end{aligned}$ | әңеш！！！ әseपd y10M | eleaod | $\begin{array}{\|c\|} \hline \text { әроэ } \\ \text { кıобәғеう } \\ \text { pun」 } \end{array}$ | पৃбuә7 1．ə！odd | $\begin{aligned} & \hline \partial \mathrm{d} \mathrm{~K}_{\perp} \\ & \text { צıOM } \end{aligned}$ |  | dəqunN 10elodd | əmen Kıuno | әłnoy |

GIMZIVIS 60－9990－$\forall$－

WORK PHASE：PRELIMINARY ENGINEERING（PE）
FEDERAL FISCAL YEAR： 2008



WORK PHASE: PRELIMINARY ENGINEERING (PE)
FEDERAL FISCAL YEAR: 2009


| 0\＄ |  |  |  |  |  |  |  |  |  |
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| 0 | 1 | 001 | प्र｜ | G＇0 | MOY |  |  | \ヨ＾\V\＃H | 0G0ח |
| әұеб！｜｜9O О」 p！$\forall$ 他əрәョ」 рə⿰七ədxヨ | әдеш！！ 5 ヨ әseud ндоМ | elenodd |  | Ч1бuәך 1．ə！0גd |  |  | ıəqunN ןכelodd | әumen Kıunoう | әınoy |

WORK PHASE：PRELIMINARY ENGINEERING（PE）
FEDERAL FISCAL YEAR： 2010


| LL1＇1 | LLOZ－8002 Sצ甘ヨ |  |  |  |  |  |  |  |  |
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| 0\＄ |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1202 |  |  |  |
|  | әtеш！！！s әऽечд 410 M | ele．o．d |  |  | $\begin{aligned} & \text { әd } \wedge_{\perp} \\ & \text { y } 10 \mathrm{M} \end{aligned}$ |  | dequnn 10elodd | amen Kıunoう | әınoy |

 （DOLLAR AMOUNTS IN THOUSANDS，SOME AMOUNTS MAY BE ROUNDED．）
WORK PHASE：PRELIMINARY ENGINEERING（PE）


| レレEOП | 081． | 1กワ90 |  | $10-8780-\forall \lambda \mid$ | $\forall \perp I H O I M$ | G20Y |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| レレEOก | 0980 | 1กワ90 |  | $10-2670-\forall>1$ | $\forall \perp I H O I M$ | 960＞1 |
| 66000 | 009＇9 | กS |  | $10-G 970-\forall \lambda \mid$ |  |  |
| L9900 | 000＇1． | กSy |  | $10-\varepsilon \angle \triangleright 0-\forall \lambda$ | ○〇ヨบ1 | ع8乙П |
| 16000 | 000 1 | กSYD |  | $10-Z \angle\rangle 0-\forall \lambda$ | N $V$ WYヨHS |  |
| 0970ก | 001＊0 | กSYD |  | $10-6970-\forall \lambda$ | 入ヨ기빈 | ャて0П |
| 9ャレ0ก | 8LL＇0 | กSY） |  | $10-1 \angle \nabla 0-\forall \lambda$ | $\exists \mathrm{NYOgSO}$ | 七て0ก |
| 9tเ0ก | O0G＇ | กSy勺 |  | $10-6 \angle 96^{-}$－ | $\exists \mathrm{NYOgSO}$ |  |
| $\lambda$ | $000^{\circ} 0$ | ヘ7กว |  | $10-2060-\forall \lambda \mid$ | SIGYOW | 9900 |
| 99000 | 899 ${ }^{\circ}$ | กSy9 | $\ddagger$ O＊OU ON $\forall$ 0G－Sก $\perp$ Or ：OO NO人7 | $10-\varepsilon 970-\forall \lambda$ | NO人7 | 0900 |
| dID | 000 11 | nsyb |  | $10-9 \varepsilon \varepsilon \nabla^{-}$O | N＊Wヨ⿹COH | GG200 |
| 0020ก | O10＊0 | ヘ7กว | ＇ 1 N NOS | $10-G \angle \nabla 0-\forall \lambda$ | ロOOMNヨヨコУ | 七G0ก |
| 七ع00つ | 000＊ | กSY） |  | $10-86\rangle 0-\forall \lambda$ | 」N $\forall$ U勺 |  |
| 9120ก | LLで0 | 人 $\forall 7$－O |  | 10－88 －$^{-}$－ | ヨヘ0У | EટO\} |
| $\lambda$ | $000^{\circ} 0$ | $\wedge 7$ ก○ |  | $10-2 \varepsilon G 0-\forall \lambda \mid$ | 入 $\square^{\text {V }}$ | LSOX |
| 08000 | 009 ${ }^{\circ}$ | กSYD |  | $10-1\rangle 80-\forall \lambda$ | NI7YN V $^{\text {d }}$ |  |
| $\lambda$ | $000^{\circ} 0$ | ヘ7กว |  | $10-0 \varepsilon G 0-\forall \lambda$ | NOSNIYOIO | Eャ0＞1 |
| 0ャ90ก | 081．0 | 1กワ90 |  | $10-28 \downarrow 0-\forall \lambda$ | 人ヨ7MOO | LLOП |
| 9L00ก | Lレヤ＊ | กSy9 |  | $10-\nabla \angle \nabla 0-\forall \lambda$ | 入ヨココОつ | G $\angle 0 \cap$ |
| 0GLOก | 001．0 | กSY） | ＇$¢$ ヨ⿹ヨ770つ QN | $10-9970-\forall \lambda$ | Qก070 | 1800 |
| OLZOก | 七6て＇0 | nsyb |  | $10-\angle L D 0-\forall \lambda$ | NOgYกOg |  |
| 0120ก | $000^{\circ} 0$ | ПS | $\perp \perp O O S \perp \square O \pm N M O \perp N M O Q$ | $10-6 乙 \downarrow 0-\forall \lambda$ | NOgYกOg |  |
| әроЭ Кıобәıеэ pun」 | पł6uәך ¥つə！odd | $\partial \mathrm{d} K \perp$ <br> Y10M |  | ıəqunN <br>  | əmen Kıunoo | ə̨noy |


| $\stackrel{\rightharpoonup}{\mathrm{O}}$ | $\stackrel{\rightharpoonup}{\circ}$ | $\stackrel{\rightharpoonup}{\mathrm{O}}$ | $\stackrel{\rightharpoonup}{\mathrm{O}}$ | $\stackrel{\rightharpoonup}{\mathrm{O}}$ | $\stackrel{\rightharpoonup}{0}$ | $\stackrel{\rightharpoonup}{\mathrm{O}}$ | $\stackrel{\rightharpoonup}{8}$ | $\stackrel{\rightharpoonup}{8}$ | $\stackrel{\rightharpoonup}{\mathrm{O}}$ | $\stackrel{\rightharpoonup}{8}$ | $\stackrel{\rightharpoonup}{8}$ | $\stackrel{\rightharpoonup}{0}$ | $\stackrel{\rightharpoonup}{0}$ | $\stackrel{\rightharpoonup}{0}$ | $\stackrel{\rightharpoonup}{0}$ | $\stackrel{\rightharpoonup}{0}$ | $\stackrel{\rightharpoonup}{\mathrm{O}}$ | $\stackrel{\rightharpoonup}{0}$ | $\stackrel{\rightharpoonup}{0}$ | $\stackrel{\rightharpoonup}{0}$ | $\stackrel{\rightharpoonup}{0}$ | $\begin{aligned} & \underline{0} \\ & \frac{0}{0} \\ & \frac{0}{0} \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| － | － | － | $\cdots$ | $\cdots$ | $\begin{aligned} & \mathrm{c} \\ & \hline \end{aligned}$ | － | $\stackrel{\rightharpoonup}{\omega}$ | － | － | $\stackrel{\rightharpoonup}{0}$ | $-$ | M | － | $\omega$ | $\stackrel{\rightharpoonup}{\mathbf{O}}$ | $\cdots$ | － | － | － | $\omega$ | － |  |
| $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\stackrel{\rightharpoonup}{\circ}$ | O | O | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |  |




| 0 | 1 | OOL | 9LG0n | S＇0 | กSy9 |  | 10－9880－$\forall \lambda \mid$ | NO＿⿹NIHS＊M | G10¢ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0 | 21 | 01 | 0290ก | GL＇0 | กSyワ |  | 10－ヤャ80－$\forall \lambda$ | y ${ }^{\text {daNOS }}$ | 091ก |
| 0 | 21 | 06 | Y | GL＇0 | กSu9 |  | 10－$\downarrow 780-\forall \lambda$ | บヨNWกS | 091ก |
| 0 | 1 | OOL | 0LZOก | S1．0 | กSy9 |  | $10-\angle \varepsilon 80-\forall \lambda$ | N $\forall$ WYヨHS | 8tてOn |
| 0 | 1 | 001 | 28003 | 1 | กS |  | $10-8 \varepsilon 80-\forall \lambda$ | SYOOY |  |
| 0 | $\varepsilon$ | OOL | 09ヶ0ก | $70 \cdot 0$ | กSy |  | $10-1880-\forall \lambda$ | 人ㅋ긴 | ع1LY |
| 0 | 1 | OOL | Y | 0 | ヘากจ |  | $10-\varepsilon 060-\forall \lambda$ | O178กdヨy | 8ヵ1 |
| 0 | 1 | 001 | 08900 | LEで0 | กSy9 | IS $\perp$ SL）00t／tG－SO O | $10-\varepsilon\rangle 80-\forall \lambda$ | $\perp \perp \forall \mathcal{C d}$ | 182仡 |
| 0 | 81 | OOL | $\angle 9000$ | 80 | กSy9 |  | $10-0\rangle 80-\forall \lambda$ | OHSOヨN |  |
| 0 | 乙 | OOL | 1 | 0 | ヘากจ |  | $10-1860-\forall \lambda$ | SIUCyOW | 990n |
| 0 | 1 | OOL | Y | 0 | ィากอ |  | $10-8880-\forall \lambda$ | Sİy | 700¢ |
| 0 | 1 | OOL | Y | 0 | ＾ากจ |  | $10-\downarrow 980-\forall \lambda$ | SIપCyOW | †00＞1 |
| 0 | 1 | OOL | 0800n | で0 | กSy9 |  | $10-9880-\forall \lambda$ | 77ヨHOIW | ャ10¢1 |
| 0 | 1 | OOL | 1610n | 96で0 | กSy |  | $10-\angle\rangle 80-\forall \lambda$ | ヨロオヨW | 860Y |
| 0 | 61 | OOL | Y | 0 | YОヨО |  | $10-8980-\forall \lambda$ | NO人7 | 6601 |
| 0 | 1 | OOL | ， | 0 | ィากจ |  | $10-8060-\forall \lambda$ | ヨ $\perp \perp \exists 8 \vee 7$ | 101－1 |
| 0 | GLZE | OOL | Y | $9 \chi^{\circ} \varepsilon$ | MOYヨd | $\forall \exists \cup \forall$ פЧก | $10-1011-\forall \lambda$ | $\forall \mathrm{MOI} \mathrm{V}^{\prime}$ | $\downarrow$ ¢0n |
| 0 | 1 | 001 | 80t0n | $\mathrm{G}^{\circ} 0$ | ＾O7IW |  | $10-乙$ ¢80－$\forall \lambda$ | NOS | 691ก |
| 0 | 1 | OOL | H | 0 | ヘากจ | $\exists \mathrm{I} 7$ ヨ | $10-6060-\forall \lambda$ | पヨd ${ }^{\text {d }}$ | 6L1 |
| 0 | 1 | OOL | ${ }^{1}$ | 0 | 7dपบ8 |  | $10-\angle 060-\forall \lambda$ | वपOヨMVЧつ | 9ャレン |
| 0 | 1 | OOL | Y | 0 | ヘากจ |  | $10-\downarrow 060-\forall \lambda$ | $\exists \mathrm{BVHO}$ | LLIV |
| 0 | ES 1 | OOL | 0810ก | で0 | กSy9 |  | $10-乙 \triangleright 80-\forall \lambda$ | บヨา | LLOn |
| 0 | 1 | 001 | $\mathrm{H}_{1}$ | 0 | 7dपy |  | $10-0160-\forall \lambda$ | yヨayba | 0910 |
|  | $\begin{aligned} & \text { әџеس!!sヨ } \\ & \text { әseyd } \\ & \text { y10M } \end{aligned}$ | elpasd | әроつ イıобәெеう pun」 |  | $\begin{aligned} & \partial d K \perp \\ & \text { Y } 10 M \end{aligned}$ |  | ıəqunn ¡əə！odd | əmen Kıunoう | əłnoy |

$6002: 4 \forall \exists \lambda$ 7 7 OSI $7 \forall y \exists a \exists \exists ~$


| 0\＄ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0 | $1000 \varepsilon$ | 001 |  | ¢ 0 | MOU |  | 10－80＋0－४y |  | 0SOO |
|  | әдеш！！！ әseपd צ10 M | elexodd |  |  | $\begin{aligned} & \text { od } K_{\perp} \\ & 4 \circ \mathrm{M} \end{aligned}$ | uo！̣eoo7／uold |  loolond | əwen Kıunoう | əınoy |







| 0．0\＄ | 1\＄ | 00．001 | 0GG0n | ع0ع＇0 | กS |  | $10-6710-\forall>1$ | IWVIW |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0．0\＄ | ヤてし\＄ | 09＇Z8 | H | 0000 | sugy | 人 $\perp$ NOOO IWVIW NI $\perp \exists \exists บ \perp$ a | 10－89ャ6－${ }^{\text {－}}$ | IWVIW |  |  |  |  |  |  |  |  |
| 0．0\＄ | 七てし\＄ | OG＇21 | 19000 | 0000 | sugy | 人 $\perp$ NOOO IWVIW NI $\perp \exists \exists บ \perp$ O | 10－89ャ6－ | IWVIW |  |  |  |  |  |  |  |  |
| 0．0\＄ | とし\＄ | 00．001 | 08t0n | OZと＇0 | กSY勺 |  | $10-て \triangleright 10-\forall>1$ | NOSUヨHdOW | 990n |  |  |  |  |  |  |  |
| 0．0\＄ | L\＄ | 00．001 | 8tE0n | StL＇0 | つบ＾＊d |  | $10-1\rangle+0-\forall \lambda$ | NOSUヨHdOW | 8180n |  |  |  |  |  |  |  |
| 0．0\＄ | てし\＄ | 00．001 | 99000 | 899＇0 | กSUD |  | $10-\varepsilon 9 力 0-\forall \lambda$ | NO人7 | 090n |  |  |  |  |  |  |  |
| 0．0\＄ | L\＄ | 00．001 | 06100 | 0トマ＊ 0 | $\underline{\mathrm{y}}$ ¢ 1 NI |  | 10－1 186 － 1 | NOA7 | 090n |  |  |  |  |  |  |  |
| $00 \$$ | て†て\＄ | 00．001 | Y | Lで0 | กSY勺 |  | 10－9t06－-1 | 3N $\forall 7$ | 960시 |  |  |  |  |  |  |  |
| 00\＄ | 1\＄ | 00．001 | 0990ก | 29000 | $\underline{\mathrm{y}}$ ¢ 1 NI |  | 10－9616－${ }^{-10}$ | $\exists \perp \perp \exists \exists \forall 7$ | 00ヶก |  |  |  |  |  |  |  |
| $00 \$$ | 0ع9＇เ\＄ | 00．02 | Y | 028＇9 | ygyb |  | 10－ヤtて8－${ }^{-10}$ | NVWONİ | 七G0ก |  |  |  |  |  |  |  |
| 0＇七0と＇เ\＄ | 089＇1\＄ | 0008 | SHNOV | 028＇9 | y9y9 | SヨาIW Z8＇9 ヨ＇ヨNI7 O〇 Wશ્પ－yd ：yOdIપyyo | 10－ヤャて8－ | NVWONİ | ๑G0n |  |  |  |  |  |  |  |
| 0．0\＄ | L\＄ | 00．001 | Y | 000＇0 | $\wedge 7 \cap \bigcirc$ |  | $10-8 G 90-\forall \ 1$ | $77 \exists М \exists \uparrow$ | 980ก |  |  |  |  |  |  |  |
| $0 \cdot 1 \$$ | L\＄ | 00．001 | OdH | 001．1 | บヨ |  | 10－9G $10-\forall\rangle$ | N＊Wヨ⿹丁OH | 9S1＞1 |  |  |  |  |  |  |  |
| 0 －$\dagger$ | $\bullet$ \＄ | 00．001 | dIL | 000 1 － | กSบ勺 |  | $10-98 \varepsilon \downarrow^{-}$－ | N＊Wヨ⿹丁OH | G9200 |  |  |  |  |  |  |  |
| 0．0\＄ | L\＄ | 00．001 | 0020ก | 01000 | ＾7กว |  | $10-9 \angle t 0-\forall>1$ | ロOOMNヨヨบ勺 | †G0ก |  |  |  |  |  |  |  |
| $00 \$$ | E\＄ | 00．001 | 67 G0ก | G1で0 | กSบป |  | $10-\angle S 10-\forall>1$ | 人ヨาヨヨบป | LZOY |  |  |  |  |  |  |  |
| 0．0\＄ | 08\＄ | 00．001 | 2010n | ャてで0 | กSYD |  | 10－St06－ H | 人 $\forall$ Y勺 | 0G0n |  |  |  |  |  |  |  |
| 00\＄ | 19\＄ | 00．001 | $\checkmark$ ¢000 | 000＊$\downarrow$ | กSY勺 |  | $10-\varepsilon 670-\forall>1$ | 」NVYワ |  |  |  |  |  |  |  |  |
| $00 \$$ | 09\＄ | 00．001 | 08E0ก | 000＇0 | $\mathrm{HO} \perp \mathrm{NI}$ |  | 20－Gç8－ 1 |  | 0＜01 |  |  |  |  |  |  |  |
| 00\＄ | 乙\＄ | 00．001 | Y | 0000 | ydyyd |  | 10－0GS0－$\forall$ V | $\wedge \exists \mathrm{NNIJ}$ | 9S1＞ |  |  |  |  |  |  |  |
| 0．0\＄ | L\＄ | 00．001 | O†ZOก | 002＊0 | กSY勺 |  | 10－96 ${ }^{-10-}$ | 入ヨNNI」 | 8ع80ก |  |  |  |  |  |  |  |
| $00 \$$ | L\＄ | 00．001 | 0620ก | $069{ }^{\circ} 0$ | กSบ勺 | પG 入 | $10-S 力 10-\forall>1$ | S1773 |  |  |  |  |  |  |  |  |
| 0．0\＄ | L\＄ | 00．001 | Y | 0000 | ＾7ก৩ |  | 10－0عG0－$\forall \lambda$ | NOSNİ્રOIO | $\varepsilon \dagger 0\rangle$ |  |  |  |  |  |  |  |
| $0 \cdot 0 \$$ | 01\＄ | 00．001 | 0080ก | 002＇0 | กS ${ }^{\text {a }}$ |  | $10-6 \varepsilon 10-\forall \lambda$ | NOSNIYOIO | 8990n |  |  |  |  |  |  |  |
| $00 \$$ | 81\＄ | 00．001 | 0ヶ90ก | 0810 | 1กワ83 |  | $10-28 \downarrow 0-\forall \lambda$ | 人ヨ7MOつ | $\angle L O \cap$ |  |  |  |  |  |  |  |
| 0．0\＄ | 06\＄ | 00＇91 | $0800 \cap$ | 000\％ | sugy |  | 10－69ャ6－ | 人ヨาMOつ |  |  |  |  |  |  |  |  |
| 0．0\＄ | 06\＄ | 00＇98 | Y | 000－ | sugy |  | 10－69ャ6－-1 | 人ヨาMOつ |  |  |  |  |  |  |  |  |
| 00\＄ | 1\＄ | 00．001 | 9L00n | くレー 0 | กSY勺 |  | $10-\downarrow \angle\rangle 0-\forall\rangle$ | 人ヨココ0つ | GL0n |  |  |  |  |  |  |  |
| 00\＄ | L\＄ | 00．001 | 0GLOO | 00100 | กSY勺 |  | $10-99+0-\forall \lambda$ | 0ก070 | $180 \cap$ |  |  |  |  |  |  |  |
| 0．0\＄ | L\＄ | 00．001 | 0tト0 | L6t＇0 | กSUV |  | 10－6008－ H | ヨヨ＞્ર0บヨНО | $690 \cap$ |  |  |  |  |  |  |  |
| $00 \$$ | 1\＄ | 00．001 | 0810ก | 000＇0 | กSU勺 |  | 10－1G10－$\because>1$ | บヨาคก8 | 七GZ入 |  |  |  |  |  |  |  |
| 0．0\＄ | 021\＄ | 00\％001 | $\square \mathrm{B} \mathrm{H} \perp \mathrm{O}$ | 09で0 | $\underline{\square} \exists \perp \mathrm{NI}$ |  | $10-7 \angle 10-\forall>1$ | NMOY8 | 0Z0\1 |  |  |  |  |  |  |  |
| $00 \$$ | L\＄ | 00．001 | 0120ก | ャ6で0 | กSบ勺 |  | $10-\angle L\rangle 0-\forall \lambda$ | No8 ${ }^{\text {a }}$（ |  |  |  |  |  |  |  |  |
| 0．0\＄ | 01\＄ | 00\％001 | 02E0ก | 91で0 | กSY勺 | 1S Hı9 O 1 S OYE WOU」 182－Sก | $10-Z S 10-\forall>$ | NOıY ${ }^{\text {d }}$ | 1820 |  |  |  |  |  |  |  |
| 00\＄ | トロレ\＄ | 00．001 | H | 000 1 | กSY勺 |  | $10-1$ 10－${ }^{\text {－}}$ | NOıY ${ }^{\text {d }}$ | 9G0n |  |  |  |  |  |  |  |
| $00 \$$ | 七81\＄ | 00．001 | $\bigcirc 000 \bigcirc$ | 09て＇G | กSY勺 |  | $10-98 \downarrow 0-\forall \backslash$ |  |  |  |  |  |  |  |  |  |
| $00 \$$ | 81\＄ | 00．001 | Y | 000＇0 | Оヨロप8 |  | $10-5020-\forall \backslash 1$ | ¢ 38488 | 091ก |  |  |  |  |  |  |  |
| $00 \$$ | 0乙て＇દ\＄ | 68＊ 28 | OW | 8ZL＇${ }^{\text {c }}$ | 7dपપyg |  | 20－8をて8－$\$ & NOSIHO」V & 6G0ก  \hline 0．0\＄ & 0乙て＇を\＄ & てガで & Y & 8ZL＇${ }^{\text {c }}$ | 7dपบy8 |  | て0－8Eて8－$\$ & NOSIHO」V & 690n  \hline 0＊009＇ 1 \＄ & 0乙乙＇દ\＄ & 69＊67 & － प＇$^{\text {a }}$ | 8ZL＇${ }^{\text {c }}$ | 7dपY |  | て0－8EZ8－ | NOSIHO」V | 690n |
|  | әŋеய！！Sヨ əseyd y10M | elpiold | әроЭ Кıобәғе pun」 |  | $\begin{aligned} & \partial \mathrm{d} K_{\perp} \\ & \text { Y } 10 \mathrm{M} \end{aligned}$ |  | ıəqunn łכə！old | əmen Kıunoう | əłnoy |  |  |  |  |  |  |  |



|  | $\begin{aligned} & \sum \\ & \begin{array}{l} \Omega \\ I \\ \hline-1 \end{array} \end{aligned}$ | $\begin{aligned} & \sum \\ & \bar{\Omega} \\ & \frac{1}{1} \\ & \overline{1} \\ & \perp \end{aligned}$ |  | $\begin{aligned} & \overrightarrow{7} \\ & \boldsymbol{m} \\ & 0 \\ & 0 \end{aligned}$ |  | 0 $\frac{0}{1}$ $\frac{m}{0}$ $\vdots$ $\vdots$ $\vdots$ $\vdots$ | 0 <br> 1 <br> 1 <br> 0 <br> $\square$ <br> $\square$ <br> 2 <br> 2 | 0 $\frac{0}{1}$ $\sum$ $\sum$ $\sum_{m}^{2}$ $m$ |  | $\begin{aligned} & \hline \infty \\ & \sum_{\infty}^{\infty} \\ & \vdots \\ & \square \\ & \square \end{aligned}$ | $\begin{array}{\|l\|} \hline \frac{0}{1} \\ \boldsymbol{m} \\ \ll \end{array}$ | $\begin{array}{\|l\|} \hline 刃 \\ \bar{\Omega} \\ m \end{array}$ | $\begin{aligned} & \pi \\ & m \\ & Z_{0} \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \pi \\ & \text { Z } \\ & \text { Z } \\ & \hline 0 \end{aligned}$ | D $\sum$ $\sum$ $\vdots$ $\vdots$ $\vdots$ | $\left\lvert\, \begin{aligned} & 0 \\ & D \\ & D \end{aligned}\right.$ | $\left.\begin{array}{\|c} \hline 0 \\ D \\ D \\ -1 \end{array} \right\rvert\,$ |  | 0 0 0 0 0 0 2 $n$ $m$ | $Z$ <br> Z <br> D <br> D <br> $\frac{1}{D}$ |  |  |  | $\begin{aligned} & \stackrel{\rightharpoonup}{O} \\ & 2 \\ & -1 \\ & \Omega \\ & 0 \\ & 3 \\ & \frac{1}{2} \\ & 20 \\ & 2 \end{aligned}$ |  | $\begin{aligned} & \frac{3}{1} \\ & \frac{0}{1} \\ & \frac{1}{1} \end{aligned}$ | $\begin{aligned} & \frac{1}{2} \\ & \frac{2}{2} \\ & \frac{2}{2} \\ & \frac{1}{3} \\ & \frac{1}{3} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  | त <br> B <br> 1 <br> 0 <br> 0 <br>  <br>  <br> 0 | त 1 0 0 0 $\sim$ $N$ 0 0 |  |  |  |  |  |  |  | $\begin{aligned} & \bar{\lambda} \\ & 0 \\ & N \\ & \underset{~}{1} \\ & \hdashline \dot{c} \end{aligned}$ |  | त <br> 1 <br> 0 <br> $\sim$ <br> Vl <br> 0 <br> 0 |  |  |  |
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| $\begin{aligned} & \hline \infty \\ & 0 \\ & 0 \\ & m \\ & 3 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & \Omega \\ & \underset{\sim}{1} \end{aligned}$ | $\left.\begin{array}{\|l\|} \hline \mathbf{Q} \\ \mathbf{\Omega} \\ \mathfrak{Q} \end{array} \right\rvert\,$ | $\begin{array}{l\|} \hline \Theta \\ \subset \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline \Omega \\ J \\ \omega \\ C \end{array}$ | $\begin{array}{\|l\|} \hline \Omega \\ J \\ \omega \\ C \end{array}$ | $\begin{array}{\|l\|} \hline \Omega \\ 0 \\ 0 \\ C \end{array}$ | $\begin{array}{\|l\|} \hline \Omega \\ J \\ 0 \\ C \end{array}$ | $\begin{array}{\|l\|} \hline \Omega \\ \mathbf{\Omega} \\ \underset{\sim}{2} \end{array}$ | $\begin{array}{\|l\|} \hline \Omega \\ 0 \\ 0 \\ C \end{array}$ | $\begin{array}{l\|} \hline \Omega \\ \hline 0 \\ 0 \\ C \end{array}$ | $\begin{aligned} & \hline \Omega \\ & 0 \\ & 0 \\ & \mathcal{C} \end{aligned}$ | $\begin{array}{\|l\|} \hline \bar{z} \\ \overline{1} \\ \bar{m} \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline \Omega \\ 0 \\ \omega \\ C \end{array}$ | $\begin{aligned} & \hline \Omega \\ & \sim \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  | $\begin{array}{\|c} \hline 0 \\ m \\ \sum \\ \sum \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline 0 \\ m \\ \sum \\ \sum \\ \hline \end{array}$ | $\left.\begin{array}{\|l\|} \hline \Omega \\ J \\ 0 \\ C \end{array} \right\rvert\,$ | $\begin{array}{\|l\|} \hline \Omega \\ J \\ 0 \\ C \end{array}$ | $\begin{aligned} & \hline \varrho \\ & \stackrel{\complement}{<} \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ \sim \\ \sim \end{array}$ | $\begin{array}{\|l\|} \hline \Omega \\ \sim \\ 0 \\ 0 \\ \sim \\ \sim \end{array}$ | $\begin{aligned} & \Omega \\ & \hline 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline \Omega \\ & J \\ & \mathcal{O} \\ & \subset \end{aligned}$ | $\begin{array}{\|l\|} \hline \infty \\ \hline 0 \end{array}$ | $\stackrel{\bigcirc}{¢}$ |  |
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|  | $\begin{aligned} & \sum \\ & \begin{array}{l} \Omega \\ I \\ \hline-1 \end{array} \end{aligned}$ | $\begin{aligned} & \sum \\ & \bar{\Omega} \\ & \frac{1}{1} \\ & \overline{1} \\ & \perp \end{aligned}$ |  | $\begin{aligned} & \overrightarrow{7} \\ & \boldsymbol{m} \\ & 0 \\ & 0 \end{aligned}$ |  | 0 $\frac{0}{1}$ $\frac{m}{0}$ $\vdots$ $\vdots$ $\vdots$ $\vdots$ | 0 <br> 1 <br> 1 <br> 0 <br> $\square$ <br> $\square$ <br> 2 <br> 2 | 0 $\frac{0}{1}$ $\sum$ $\sum$ $\sum_{m}^{2}$ $m$ |  | $\begin{aligned} & \hline \infty \\ & \sum_{\infty}^{\infty} \\ & \vdots \\ & \square \\ & \square \end{aligned}$ | $\begin{array}{\|l\|} \hline \frac{0}{1} \\ \boldsymbol{m} \\ \ll \end{array}$ | $\begin{array}{\|l\|} \hline 刃 \\ \bar{\Omega} \\ m \end{array}$ | $\begin{aligned} & \pi \\ & m \\ & Z_{0} \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \pi \\ & \text { Z } \\ & \text { Z } \\ & \hline 0 \end{aligned}$ | D $\sum$ $\sum$ $\vdots$ $\vdots$ $\vdots$ | $\left\lvert\, \begin{aligned} & 0 \\ & D \\ & D \end{aligned}\right.$ | $\left.\begin{array}{\|c} \hline 0 \\ D \\ D \\ -1 \end{array} \right\rvert\,$ |  | 0 0 0 0 0 0 2 $n$ $m$ | $Z$ <br> Z <br> D <br> D <br> $\frac{1}{D}$ |  |  |  | $\begin{aligned} & \stackrel{\rightharpoonup}{O} \\ & 2 \\ & -1 \\ & \Omega \\ & 0 \\ & 3 \\ & \frac{1}{2} \\ & 20 \\ & 2 \end{aligned}$ |  | $\begin{aligned} & \frac{3}{1} \\ & \frac{0}{1} \\ & \frac{1}{1} \end{aligned}$ | $\begin{aligned} & \frac{1}{2} \\ & \frac{2}{2} \\ & \frac{2}{2} \\ & \frac{1}{3} \\ & \frac{1}{3} \end{aligned}$ |
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|  | 9\＄ | 00．001 | $80 ャ 0 \cap$ | 009＇0 | ＾07IW |  | $10-2880-\forall>1$ |  | 691ก |
| $00 \$$ | L\＄ | 00．001 | Y | 000＇0 | กากจ |  | $10-6060-\forall \backslash 1$ |  | 6L1－1 |
| て．81\＄ | GG1\＄ | 92．1． | dIL | 6ヶt．81 | －7HS |  | $10-\varepsilon ટ \triangleright 0-\forall \backslash 1$ | 人 $\forall$ पУ | 090n |
| 0＊ャ01\＄ | GGL\＄ | L0＇ 29 | SHN | 6ヤト．8ト | －7HS |  | $10-\varepsilon ટ \downarrow 0-\forall \lambda$ | 人 $\forall$ ¢D | 090n |
| 8＊ C \＄ | GG1\＄ | LF＇レて | QdH | 6ヤ1．81 | O7HS |  | $10-\varepsilon ટ \triangleright 0-\forall \backslash 1$ | 人＊บワ | 090n |
| 00\＄ | 00乙\＄ | 00＊001 | 0ヶZ0П | 009 0 | กSy |  | 10－LL86－ 1 | 入ヨNNI」 | 991－1 |
| $0 \cdot 81 . \$$ | 81． | 00．001 | －$\square^{\text {a }}$ | 000＇0 | 7dपપy |  | $10-91 \angle 0-\forall \lambda$ | SOY $\forall$ MOヨ | 090n |
| $00 \$$ | L\＄ | 00．001 | Y | 000＇0 | 7dपપyg |  | $10-\angle 060-\forall \lambda$ |  | 9ヤレ｜ |
| 0．0\＄ | L\＄ | 00\％001 | Y | 000＇0 | ヘากจ |  | $10-\downarrow 060-\forall \lambda$ | $\exists \mathrm{SVHO}$ | LLIV |
| 0．0\＄ | Gこ\＄ | 00．001 | 0810ก | 002＇0 | กS49 |  | $10-ट\rangle 80-\forall \lambda$ | บヨาคก8 | LLOn |
| $00 \$$ | L\＄ | 00．001 | Y | 000＇0 | 7dपप्ర］ |  | $10-0160-\forall \lambda$ | प397＊ | 0910 |
|  | $\begin{gathered} \text { әџеш!!sヨ } \\ \text { әseyd } \\ \text { уом } \end{gathered}$ | elpiold | әроЭ イıобәəеう pun＿ | पłరuə7 1כə！odd | $\begin{aligned} & \text { әd } K_{\perp} \\ & \text { y } 0 M \end{aligned}$ |  | ıəqunN <br> łכə！̣̊d | əmen Kıunoう | əұnoy |



ガスOヤ＇0レ\＄
ガスOォ $\overline{\varepsilon 8 \varepsilon \$}$

| $68 \$$ | 68\＄ | 001 |
| :---: | :---: | :---: |
| ャ6て\＄ | ャ62\＄ | 001 |
|  p！｜lerəpa pəююədxヨ | әеш！！！马 әseyd нор | ${ }^{1} 1$ |





| 17VHSY ${ }^{\text {a }}$ | LLOn |
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NSMOWU प甘า70a）


| 8002 | こLで1\＄ |  |  |  |  |  |  | $\pm \wedge$ NOO |  | 10－LLOL－${ }^{\text {d }}$ | NOIV ${ }^{\text {d }}$ | 990n |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8002 | StE\＄ |  |  |  |  |  |  | $\pm$ NOO |  | $10-\varepsilon \angle 01-\forall>1$ | NOIV＊8 | 1820 |
| 8002 | E88\＄ |  |  |  |  |  |  |  |  | $10-7901-\forall>$ | NOIV甘8 | 990n |
| 8002 | 091＇เ\＄ | 8002 | 01\＄ |  |  | 9002 | 101\＄ | กSy |  | 10－ZSเ0－${ }^{\text {a }}$ | NOıप甘8 | 1820 |
| 6002 | 6S0＇S\＄ | 8002 | 1．1\＄ |  |  |  |  | กSy |  | 10－1E10－${ }^{\text {a }}$ | NOıYV8 | 990n |
| 1102 | L0E\＄ |  |  |  |  |  |  | Sप9 ${ }^{\text {a }}$ |  | 10－60ヶt－ 3 | NOIV甘8 | 00000 |
| 8002 | としこ\＄ |  |  |  |  |  |  | Sપy9y9 |  | 10－898t－ | NOıप甘8 | 00003 |
| 6002 | 8七¢\＄ |  |  |  |  |  |  | Sપygub |  | 10－LEど－ | NOıY ${ }^{\text {d }}$ | 00000 |
| 1102 | Lてヤ\＄ |  |  |  |  |  |  | प8y9 |  | ト0－86レカ－ | NOIV甘8 | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | LGこ\＄ |  |  |  |  |  |  | 9S $\triangle 7$ | ヨ⿹007 ヨNIOIGヨW NI 182－Sn 8 पપy S8＾ | 10－L892－X |  | 1820 |
| 8002 | LGZ\＄ |  |  |  |  |  |  | ソS $\llcorner 7 \pm$ | ヨ⿹007 ヨNIOIGヨW NI 091－Sn 8 पપy S8＾ | 10－9892－X | प 397 V8 | 091ก |
| 8002 | L0t\＄ |  |  |  |  |  |  | ソS |  | 10－EL92－X | प $397 * 8$ |  |
| 8002 | 10と\＄ |  |  |  |  |  |  | ソS |  | 10－0092－X | प99yb8 |  |
| 8002 | 102\＄ |  |  |  |  |  |  | ソS |  | 10－6692－X | प $397 * 8$ |  |
| 8002 | L0こ\＄ |  |  |  |  |  |  | ソS |  | 10－8692－X | प 397 V8 |  |
| 0102 | S6t\＄ | 0102 | 1\＄ | 6002 | L\＄ | L00Z | Gヤ\＄ | 7dyyg |  | 10－0160－${ }^{\text {d }}$ | प 39 ¢ ${ }^{\text {d }}$ |  |
| 8002 | 6L0＇t\＄ | L00Z | 七81\＄ | L002 | とて।\＄ | G002 | GcE\＄ | กSy |  | $10-98+0-\forall>1$ | प 397 V8 |  |
| 8002 | 06て＇1\＄ | L00Z | 81\＄ |  |  | G002 | 七0乙\＄ | Оヨロบ8 |  | 10－s0Z0－$\forall$－ | पヲgy ${ }^{\text {c }}$ | 091吅 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 102\＄ |  |  |  |  |  |  | ソS |  | 10－tG9z－X | NOSIHOV |  |
| 6002 | L6E\＄ |  |  |  |  |  |  |  |  | 10－8てして－ 0 | NOSIHO」V | L00Y |
| 8002 | LZ乙\＄ |  |  |  |  |  |  | 人 $\forall$ ר－O |  | 10－0802－ 0 | NOSIHO」V | ع $20 \cap$ |
| 8002 | OGL＇ヤく\＄ | 8002 | 0乙乙＇\＆\＄ |  |  |  |  | 7dपy ${ }^{\text {a }}$ |  | 20－8Eて8－ | NOSIHO」V | 6G0ก |
| 6002 | 6ヤC\＄ |  |  |  |  | 9002 | 0ヵ\＄ | Sप989 | NO」⿹NIUY $\forall$ JO S IW $0{ }^{\circ} \mathrm{E}$ | 10－80ヶt－ 3 | NOSIHO」V | L1000 |
| 8002 | St6\＄ |  |  |  |  |  |  | Sપygub |  | ト0－80トカー | NOSIHO」V | L1000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 0ャャ\＄ |  |  |  |  |  |  | $\pm$ NNOO |  | L0－LGOL－-7 | NOSU30NV | 6910 |
| 8002 | L6\＄ |  |  |  |  | LOOZ | $\angle \$$ | पdyyyg |  |  | NOS ${ }^{\text {a }}$ A0N | 180＞1 |
| 6002 | 七01\＄ |  |  |  |  |  |  | प8y9 |  | 10－8LEt－ | NOSUGONV | 00003 |
| 0102 | $\downarrow \subset \angle \$$ |  |  |  |  |  |  | กS |  | 10－80でー | NOSUヨONV | 00123 |
| 0102 | 0G1\＄ |  |  |  |  |  |  | प¢y¢ | OIVONIV $\ddagger$ O S IW L＇t 8 M IW S＇ | 10－20てt－- | NOSUGONV | 00000 |
| 6002 | L8L\＄ |  |  |  |  |  |  | Sugy |  | ト0－9てレがつ | NOSUヨGNV | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 181\＄ |  |  |  |  |  |  | ソS | 」0708WกH $\ddagger$ O H | 10－ヤ09Z－X | Nヨ77\％ |  |
| 0102 | 102\＄ |  |  |  |  |  |  | Sપ8849 |  | 10－ZSเて－$\cap$ | Nヨ77＊ |  |
| 8002 | 199＇1\＄ |  |  |  |  |  |  | กSy | Q7ヨlコy | 10－LE81－n | Nヨ77＊ |  |
| 8002 | L18\＄ |  |  |  |  |  |  | 」＾NOO | ヨNI7 入 $\perp$ NกOO NOS | 10－0GOL－${ }^{\text {dr }}$ | Nヨ77V | 6910 |
| 8002 | カャャ\＄ |  |  |  |  |  |  | HOı $\forall$ d |  |  | Nヨ77＊ | 691ก |
| 8002 | †て9\＄ |  |  |  |  |  |  | －＾NOO |  | 10－g201－$\forall$－ | Nヨ77＊ | tG0n |
| 8002 | † ${ }^{\text {d }}$ |  |  |  |  | L00Z | S\＄ | ydyug |  | $10-8680-\forall>1$ | Nヨ77＊ | 690n |
| 8002 | カレく\＄ |  |  |  |  |  |  | 17 | S⿹HOUヨ | 10－s9 | Nヨ77V | 6910 |
| 8002 | St0＇1\＄ |  |  |  |  |  |  | Sugyb | 10708WกH 」O S IW でG | 10－90てt－ | Nヨ77\％ | 96020 |
| ио！џеб！！90 ч0 леәл рәџәәdxヨ | łunow әseyd y10M pәңеш！！sヨ | $\begin{gathered} \text { ио!!еб!!90 } \\ \text { 10 леәл } \\ \text { рәџэәdxヨ } \end{gathered}$ |  | ио！чеб！！90 „0 леәл рәџәәdxヨ | junowv eseyd y10M рәңеш！！sヨ | uо！！еб！！90 10 леәл рәңэәdxョ |  | $\partial d K_{\perp}$ <br> y10M |  | səquinN †כə！ord | amen Kıunos | əృnoy |
| ISNO〕 | pue $\exists \bigcirc$ | 71 | ก |  | O4 | E | d |  |  |  |  |  |



| 8002 | 889＇2\＄ |  |  |  |  |  |  | 人 $\forall 7$－O | $\exists Z \forall \perp$ OIN S | 10－GZS6－${ }^{\text {－}}$ | $\forall \cap O \cap \forall \perp \cap \forall H O$ | 991ก |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8002 | 9ع\＆\＄ |  |  |  |  |  |  | Sप9y勺 |  | 10－を上で－ | $\forall \cap O \cap \forall \perp \cap \forall H O$ | 00000 |  |  |
| 8002 | 8乙を\＄ |  |  |  |  |  |  | Sप9yす | $\exists Z \forall \perp$ IN $\lrcorner \mathrm{O}$ N IW 0＇Z | ト0－08レカ－ | $\forall \cap O \cap \forall \perp \cap \forall H O$ | 00000 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | L8t\＄ |  |  |  |  |  |  | 81HOU | 人 1 IO ⿹NOU 1 S NI LLL－＞8 ヨ | 10－0180－ヨ1 | $\exists \mathrm{SVHO}$ |  |  |  |
| 0102 | ع8S\＄ | 0102 | L\＄ | 6002 | 1 \＄ | LOOZ | \＆9\＄ | $\wedge 7 \cap \bigcirc$ |  | 10－ヤ060－${ }^{\text {ch }}$ | $\exists \mathrm{SVHO}$ | $\angle L L Y$ |  |  |
| 8002 | 89\＄ |  |  |  |  |  |  | dMHHS |  | 10－ヤLZ0－ヲ＞1 | $\exists \mathrm{SVHO}$ |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 191\＄ |  |  |  |  |  |  | ソS 17 |  | 10－6192－X | 4ヨาคก8 |  |  |  |
| 8002 | 10E\＄ |  |  |  |  |  |  | ソS $17 \pm$ |  | $10-\angle S t$－ X | yヨาคก8 |  |  |  |
| 6002 | 乙乙乙\＄ |  |  |  |  |  |  | MO7IW |  | 10－てE1て－ 0 | ¢ヨาคก8 | $\angle L O O$ |  |  |
| 8002 | LEO＇Z\＄ |  |  |  |  | 9002 | L\＄ | 190N7 |  | 10－L1E0－ヨ1 | บヨาคก8 |  |  |  |
| 8002 | してガて\＄ |  |  |  |  |  |  | 1＾NOO |  | 10－8901－${ }^{\text {dr }}$ | บヨาคก8 | †GZ\} |  |  |
| 8002 | 6GS\＄ |  |  |  |  |  |  | HO＾Vd |  | 10－LSOL－${ }^{\text {－}}$ | บヨาคก8 | 00ヶП |  |  |
| 8002 | LZO＇ 1 \＄ |  |  |  |  | LOOZ | L $\angle 1$ | पdyyy |  | 10－0060－ dy $^{1}$ | บヨาคก8 | tSOn |  |  |
| 0102 | カレと「1\＄ | 0102 | Gこ\＄ | 6002 | عG1\＄ |  |  | กSบ勺 |  | $10-て ヤ 80-\forall>1$ |  | LLOn |  |  |
| 6002 | G9L\＄ |  |  |  |  | 8002 | ع\＄ | กSy |  | 10－s8L0－${ }^{\text {d }}$ | บヨาคก8 | 七G0ก |  |  |
| 8002 | LZ0＇2\＄ | 8002 | L\＄ |  |  |  |  | กSUD |  | 10－1910－${ }^{\text {－}}$ | บヨาคก8 | †GZ\ |  |  |
| 6002 | 8ちて\＄ |  |  |  |  |  |  | 17 |  | 10－2996－$\$ &  &  \hline 8002 & 6ヶ9＇t\＄ & & & & & & & Sप9y9 &  & 10－L898－ 3 & บヨาคก8 & 68000  \hline & & & & & & & & & & & &  \hline 8002 & E6L\＄ & & & & & & & \O7IW &  & 10－8802－ 0 & NMOYG & ELOn  \hline 8002 & 9عと｀ 1 \＄ & & & & & & & 709 ${ }^{\circ}$ |  | 10－z960－${ }^{\text {ch }}$ | NMOY8 | GLOn |
| 8002 | 1．E\＄ |  |  |  |  |  |  | 」＾NOO |  | 10－0960－ $\mathbf{H}^{\text {d }}$ | NMOYG | ELOn |  |  |
| 8002 |  | 8002 | 02．\＄ |  |  | L002 | 6L\＄ |  | $\perp$ ¢ 0 － | $10-7 \angle 10-\forall>1$ | NMOYg | 020） |  |  |
| 0102 | ع6と\＄ |  |  |  |  |  |  | Sप9y勺 | $\forall H \perp \forall M \forall I H ~ J O ~ \perp S \exists M ~ I W ~ 8.0 ~ 8 ~ H \perp \cap O S ~ I W ~ S ' Z ~$ | 10－tعです－ | NMOYg | 00003 |  |  |
| 8002 | 6عદ\＄ |  |  |  |  |  |  | Sપ9yy | VH上VMVIH JO M IW 8． 18 S IW c＇z | 10－て1です 3 | NMOYG | 00000 |  |  |
| 8002 | LSt\＄ |  |  |  |  |  |  | Şayb | $\forall \mathrm{H} \perp \forall \mathrm{M} \forall \mathrm{IH}\lrcorner \mathrm{O}$ N IW 9＇$-8 \exists \mathrm{IW} 6^{\circ} \mathrm{G}$ | 10－8て0ヶ－ | NMOYg | 00003 |  |  |
| 8002 | †0t\＄ |  |  |  |  |  |  | Sצ9y9 |  | 10－LZOt－ 3 | NMOYg | 00000 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 181\＄ |  |  |  |  |  |  | －S 17 |  | 10－0t9z－ x | NO94nOa |  |  |  |
| 8002 | 181\＄ |  |  |  |  |  |  | ソS |  | 10－6892－X | Nogy |  |  |  |
| 8002 | 6L9\＄ |  |  |  |  |  |  | ＾O7IN | （ $\downarrow$ G－SП）$\perp$ S 77 | 10－を¢02－ 0 | Nogy | tGOn |  |  |
| 8002 | SLO＇1\＄ |  |  |  |  |  |  | 700＊ |  |  | Nogy | ع00¢ |  |  |
| 6002 | 880＇1\＄ | 8002 | L\＄ | 8002 | LE\＄ |  |  | กSU勺 |  | $10-\angle L \triangleright 0-\forall>$ | No9y |  |  |  |
| 6002 | 8LL＇Z\＄ | 6002 | 69 ${ }^{\text {S }}$ | 8002 | 1\＄ | 8002 | £g \％\＄ | กS | －1OOS $\perp 4 O \pm$ NMO | $10-62 \downarrow 0-\forall>1$ | Nogy |  |  |  |
| 6002 | 七\＆8\＄ |  |  |  |  |  |  | Sप9y勺 | VINヨX JO N IW 0＇Z 8 M IW $0{ }^{\circ} \mathrm{E}$ | 10－98です -5 | Nogy | 00000 |  |  |
| 8002 | S9E＇เ\＄ |  |  |  |  |  |  | Sy9y9 |  | 10－G¢8E－ 3 | Nogynog | 00000 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 102\＄ |  |  |  |  |  |  | 9S 17 | OOOMNI77ヨ NI $\perp \exists \exists \mathrm{y}$（S NIVW 8 पy O8 Ol | 10－1992－X | NOIV ${ }^{\text {d }}$ |  |  |  |
| 6002 | 8ع1\＄ |  |  |  |  | LOOZ | \＆\＄ | Uヨ1NI | QNヨg வVヨ | 10－GSIZ－ 0 | NOLY＊8 |  |  |  |
| 6002 | GSt\＄ |  |  |  |  |  |  | กSบ勺 |  | 10－sと1て－ 0 | NOLY＊g | 9G0n |  |  |
| 6002 | 6LG＇1\＄ |  |  |  |  |  |  | กSบ勺 |  | 10－9861－ 0 | NOLY＊g |  |  |  |
|  | łunow eseyd Y10M рәృеш！！รヨ | $\begin{gathered} \hline \text { ио!џеб!!90 } \\ \text { ч० леәл } \\ \text { рәџәәdxヨ } \end{gathered}$ |  | $\begin{gathered} \text { ио!џеб!!व0 } \\ \text { ч0 леәл } \\ \text { рәџэәdxヨ } \end{gathered}$ |  |  | $\begin{gathered} \text { łunowв } \\ \text { әseyd } \\ \text { y.10M } \\ \text { pәןеш!!sヨ } \end{gathered}$ | ${ }^{2 d} K_{\perp}$ <br> У10M |  | jəqunN †כə！o．d | amen Kıunoכ | ęnoy |  |  |
| ISNOS | pue $\exists$ ¢ | 7 | 1\％ | M |  |  |  |  |  |  |  |  |  |  |


| 8002 | 09て＇こ\＄ |  |  |  |  |  |  | 人 4 ¢ |  | $10-\angle 860-\forall \lambda \mid$ | 00070 | †200 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8002 | ト1レ\＄ |  |  |  |  | LOOZ | 8\＄ | पdyyyg |  | 10－1880－$\forall$－ | 0ก070 | 60011 |
| 6002 | 8ヤt\＄ | 8002 | 1 \＄ | 8002 | 1 \＄ |  |  | กSy |  | 10－99t0－$\forall$－ | 0ก070 | 1800 |
| 1102 | GLて\＄ |  |  |  |  |  |  | प8y9 |  | 10－てレヤャ－ | 0n070 | 00000 |
| 6002 | L9Z\＄ |  |  |  |  |  |  | प8y | SヨWV JO M IW SL＇ 8 S IW 0®E | 10－をらZっ－ | an070 | 00003 |
| 0102 | ヤレを\＄ |  |  |  |  |  |  | प8y | NMOLSヨWVr JO ヨ IW SL＇0 8 S IW 0＇t | 10－をとでー | 0ก070 | 00003 |
| 8002 | LてE\＄ |  |  |  |  |  |  | प8y | VIOYOONOO $\ddagger 0 \mathrm{M} \mathrm{IW} \mathrm{s't} 8$ S IW 0＊Z | 10－6168－- | 0ก070 | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 992\＄ |  |  |  |  |  |  | ＾O7IW |  | 10－2802－ | 人 $\forall 7 \bigcirc$ | †ZOn |
| 8002 | 92\＄ |  |  |  |  |  |  | $\pm$ NOO |  | 10－9860－$\forall \lambda$ | 人 $\forall$ า | L61－1 |
| 8002 | 98L＇เ\＄ |  |  |  |  |  |  | $\pm$ NOO | પ $\exists$－ | $10-\varepsilon \angle 60-\forall \lambda$ | 人 $\forall$ า | S10＞1 |
| 8002 | L91\＄ |  |  |  |  | L00Z | 21\＄ | पdyuy |  | 10－0880－$\forall$－ | 人 $\forall 7 \bigcirc$ | 6001 |
| 6002 | 9Lて\＄ |  |  |  |  |  |  | प8y9 | Uヨ | ト0－1とレーフ | 人 $\forall$ า | 00003 |
| 8002 | \＆¢9\＄ |  |  |  |  |  |  | Sप98す | NO＾JI7O JO S IW でG | ト0－0とトゥ－ | 人 $\forall 7 \bigcirc$ | £て100 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | เ乙て\＄ |  |  |  |  |  |  | $\pm \wedge$ NOO |  | $10-t 601-\forall \lambda$ | บ্ৰ $\downarrow$ ¢ | t601 |
| 8002 | こ乙ら‘\＄ |  |  |  |  |  |  | 700＇ |  | $10-8801-\forall \lambda$ | บ્રษヤาว | ع8乙त |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0102 | OSL\＄ |  |  |  |  |  |  | 4849 |  | 10－ャてです－ | ヨNNヨ入ヨHO | 00003 |
| 6002 | 9Lて\＄ |  |  |  |  |  |  | प849 | SIONVY」 ${ }^{\circ} \mathrm{IS}$ JO M IW 0＇L 8 N IW 0＇ | 10－6てレカ－ 3 | ヨNNヨ入ヨHO | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 8ع\＄ |  |  |  |  |  |  | nS | $\forall N O Y \forall \bigcirc ~ \perp \forall ~ Z 01->~ 8 ~ प ृ प ् d ~ 70 Y S ~$ | 10－6892－X | ヨヨУОЧヨНО | 201－1 |
| 8002 | 18て\＄ |  |  |  |  |  |  | ソS 17 l |  | 10－8892－X | ヨヨソОบヨНО |  |
| 8002 | 1S1\＄ |  |  |  |  |  |  | ソS 17 |  | 10－8ち92－X | ヨヨンОบヨНО | $\forall 6900$ |
| 8002 | 10¢\＄ |  |  |  |  |  |  | ソS 17 l | VN37＊勺 NI 99－＞ 8 」SNG | 10－ 1 ¢9て－ x | ヨヨฯОบヨНО | 9901 |
| 8002 | 1－1\＄ |  |  |  |  |  |  | ソSค7コ | S⿹NILCdS पヨ | 10－9ャ9て－X | ヨヨソОบヨНО |  |
| 8002 | SIZ\＄ |  |  |  |  | LOOZ | 乙\＄ | YWA ${ }^{\text {d }}$ |  | 10－9t1レ－${ }^{\text {a }}$ | ヨヨソОบヨНО | 00tก |
| 8002 | 0 28 \＄ |  |  |  |  |  |  | $\pm$ NOO |  | 10－tGOL－$-\lambda$ | ヨヨฯОบヨНО | $1 \angle 1+1$ |
| 8002 | L99\＄ |  |  |  |  |  |  | $\pm$ NOO | S⿹NIUdS पヨ | $10-9 t 01-\forall \lambda$ | ヨヨฯОบヨНО | $\forall 690$ त |
| 8002 | LL9\＄ |  |  |  |  |  |  | $\pm$ NOO |  | $10-\downarrow t 01-\forall \lambda$ | ヨヨソОบヨНО | 690n |
| 8002 | と81＇เ\＄ |  |  |  |  |  |  | $\pm$ NNOO |  | $10-1+01-\forall \lambda$ | ヨヨソОบヨНО | 9901 |
| 8002 | て6E\＄ |  |  |  |  | L002 | Lて\＄ | ydyug |  | 10－9680－$\forall$－ | ヨヨฯОบヨНО | 9901 |
| 8002 | 01ع‘て\＄ |  |  |  |  | 9002 | Z9Z\＄ | กSy |  | $10-\varepsilon 8+0-\forall \lambda$ | ヨヨソОบヨНО | 00tก |
| 8002 | 09L＇เ\＄ | L00Z | 1 \＄ |  |  |  |  | กSy |  | 10－6008－$\chi^{\text {l }}$ | ヨヨソОบヨНО | $690 \cap$ |
| 8002 | 88\＄ |  |  |  |  |  |  | 6ヨコS |  | ع0－66L9－ | ヨヨฯОบヨНО | 690n |
| 1．102 | 88て\＄ |  |  |  |  |  |  | Sugyo | $7 \forall \cup \perp \cap \exists \mathrm{~N}\lrcorner \mathrm{O} \exists \mathrm{IW} 8^{\prime} \mathrm{Z} 8 \mathrm{~S}$ IW $8^{\circ} 0$ | 10－66とち－ | ヨヨソОบヨНО | 10100 |
| 6002 | S6を\＄ |  |  |  |  |  |  | Sપ્વgyo | NOWWVOS JO S IW s＇ı 8 ヨ IW 0 ${ }^{\circ}$ | 10－sとをt－ 3 | ヨヨソОบヨНО | 00003 |
| 0102 | E1L\＄ |  |  |  |  |  |  | Sप989 | NOLY | 10－をてZ巾－ | ヨヨฯОบヨНО | 00000 |
| 0102 | 0عャ\＄ |  |  |  |  |  |  | Sugyo | $77 \exists \mathrm{MO} 77 \mathrm{HH}$ JO S IW Sでと 8 M IW ${ }^{\circ} \mathrm{L}$ | 10－91です | ヨヨソ0บヨНО | 00003 |
| 6002 | て8て\＄ |  |  |  |  |  |  | Sપ્y8y |  | 10－S1で・ | ヨヨソОบヨНО | 00003 |
| 6002 | 6عて\＄ |  |  |  |  |  |  | Sપg8y | NOWWVOS $\ddagger$ O $\exists$ IW 0＇Z | ト0－ヤレてか－ | ヨヨฯОบヨНО | 00000 |
| 8002 | GLE\＄ |  |  |  |  |  |  | प8y9 |  | ト0－8てトゥ－ | ヨヨУОЧヨНО | 00000 |
|  | $\begin{array}{\|c\|} \hline \text { łunow甘 } \\ \text { әseyd } \\ \text { yıоM } \\ \text { pәןеш!!sヨ } \end{array}$ | $\begin{gathered} \text { ио!!еб!!90 } \\ \text { 10 леәл } \\ \text { рәџэәdxヨ } \end{gathered}$ | łunowv eseyd y， 0 M рәјеш！！sヨ |  |  |  | $\begin{gathered} \text { łunowв } \\ \text { әseyd } \\ \text { y.10M } \\ \text { pәןеш!!sヨ } \end{gathered}$ | $\theta d K_{\perp}$ <br> y10M |  | ıəquinN †כə！old | amen Kıunos | əұnoy |
| ISNOכ | pue $\exists$ ¢ | 7 |  | M |  |  |  |  |  |  |  |  |


| 8002 | LGL\＄ |  |  |  |  |  |  | ソSค7コ | VICVOUV コO H | 10－1t92－X | वपO－MVYO |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8002 | $181 \$$ |  |  |  |  |  |  | ソS |  | 10－L092－X | वपO』MVपО | $690 \cap$ |
| 8002 | 181\＄ |  |  |  |  |  |  | 勺S | 勺บ¢ | 10－9092－X | वपOコMVYO |  |
| 8002 | 181\＄ |  |  |  |  |  |  | ソS |  | 10－s092－X | वपO－MVЧつ |  |
| 8002 | でャ\＄ |  |  |  |  |  |  | ＾O7IW |  | 10－120て－$\cap$ | वपO』MVYO | 8690n |
| 8002 | St8＇1\＄ |  |  |  |  |  |  | प9yy |  | 10－0002－ก | वपOコMVบつ |  |
| 8002 | LL＊＇し\＄ |  |  |  |  |  |  | กSy |  | 10－6661－ก | वपO』MVYO |  |
| 8002 | CS9＇1\＄ |  |  |  |  |  |  | I80N7 | פung | 10－1820－ヨ1 | वपȮMVपつ | 8690n |
| 8002 | 乙8ヤ\＄ |  |  |  |  |  |  | $1803 d$ |  | 10－0820－ヨ1 | वЧO」MVบつ |  |
| 8002 | LGI\＄ |  |  |  |  |  |  | 700＇ |  | 10－ES01－$\forall \lambda$ | वपOコMVบつ | 92IV1 |
| 8002 | GSE\＄ |  |  |  |  |  |  | $700 \%$ |  |  | वपO』MVपО | 921） |
| 8002 | 乙દて\＄ |  |  |  |  |  |  | 」＾NOO |  | $10-\varepsilon \dagger 01-\forall \lambda$ | वपO』MVYO | 690n |
| 0102 | G8E\＄ | 0102 | L\＄ | 6002 | L\＄ | L00Z | S¢\＄ | 7dपy ${ }^{\text {d }}$ |  |  | वपOコMVบつ | 9ャレン |
|  |  |  |  |  |  | 8002 | LGIS | 7dपy ${ }^{\text {d }}$ |  | 10－8690－$\forall$－ | वपO』MVपО | $\angle \triangleright 0\rangle$ |
|  |  |  |  |  |  | 8002 | 乙62\＄ | 7dपy ${ }^{\text {d }}$ |  | 10－L690－$\forall$－ | वपO』MVYO | $\angle \triangleright 0\rangle$ |
| 8002 | 8乙\＄ |  |  |  |  |  |  | ロヨヨS |  | 20－GOtL－${ }^{\text {－}}$ | वपO－MVบつ | L00X |
| 6002 | 81 $\angle \$$ |  |  |  |  |  |  | Sપ89\％ | OVNE | 10－6LEt－ 3 | वपOコMVบつ | 00003 |
| 8002 | 18t\＄ |  |  |  |  |  |  | प9y9 | 勺yngs | 10－てZてか－ | वЧO」MVЧつ | 6812O |
| 8002 | St｜\＄ |  |  |  |  |  |  | प9y】 |  | ト0－เてZが 5 | वपOヨMVบつ | 00000 |
| 8002 | 0＜9\＄ |  |  |  |  |  |  | Sપ88y |  | ト0－をとレが - | वप्¢OコMVบつ | 00003 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 10乙\＄ |  |  |  |  |  |  | ソSค7］ | WヨาVS M | 10－9292－X | 人ヨาMOO |  |
| 6002 | 七¢E\＄ |  |  |  |  |  |  | ＾O7IW |  | 10－LZIて－ 0 | 人ヨาMOO | LLOO |
| 8002 | カナて\＄ |  |  |  |  |  |  | Sप989 | $7 \forall N \forall O$ คヨヨy | 10－81 | 人ヨาMOO |  |
| 8002 | 七92\＄ |  |  |  |  |  |  | MO7IW |  | 10－8L02－ 0 | 人ヨาMOO | 991ก |
| 8002 | S8ti ${ }^{\text {a }}$ |  |  |  |  | 9002 | L\＄ | $180 \exists \mathrm{~d}$ |  | 10－8820－ヨ1 | 人ヨ7MOO |  |
| 6002 | LS9＇Z\＄ |  |  |  |  | 8002 | 乙9£\＄ | กSy |  | 10－ | 人ヨ7MOO | LLOn |
| 8002 | 961\＄ |  |  |  |  |  |  | －＾NOO |  |  | 人ヨาMO○ | S10¢ |
| 8002 | 七91\＄ |  |  |  |  |  |  | $\pm$ NNOO |  | 10－1 $201-\forall \lambda$ | 人ヨาMOO | GSOX |
| 6002 | 98S\＄ | 8002 | 81\＄ | 8002 | 1 \＄ |  |  | 1ก⿹勹巳 | ヨ＾＊H L L O O H | 10－28t0－$\forall$－ | 人ヨาMOO | LLOO |
| 8002 | L৮G｀¢\＄ | 8002 | 06\＄ |  |  |  |  | Sપ89y |  | 10－69ャ6－ | 人ヨาMOO |  |
| 6002 | 26L＇1\＄ |  |  |  |  |  |  | กS |  | 10－20カt－ | 人ヨาMOO | ¢8120 |
| 6002 | L68\＄ |  |  |  |  |  |  | กS | IW S＇9 S sl－y WOUJ t91－Sy | 10－0てZち－ | 人ヨ7M0О | t9100 |
| 8002 | 0GS\＄ |  |  |  |  |  |  | प ${ }^{\text {¢ }}$ | 091－Sn 8 t91－Ş 」 | 10－61でー 3 | 人ヨาMOO | 79100 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6002 | IIE\＄ |  |  |  |  |  |  | प9y9 |  | ト0－8 | ヨHONVWOO | Sc100 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | L80＇1\＄ |  |  |  |  |  |  | Sप989 | Yヨヨบ | 10－980z－$\cap$ | 人ヨココOO |  |
| 8002 | 20L\＄ |  |  |  |  |  |  | กSyロ |  | 10－9061－n | 人ヨココ00 | 180\1 |
| 6002 | LLE＇Z\＄ | 8002 | L\＄ | 8002 | L\＄ |  |  | กSyロ | S OHSOヨN $\ddagger$ O H | 10－ヤくt0－$\forall \lambda$ | 人ヨココOつ | SLOn |
| 6002 | †¢\＄ |  |  |  |  |  |  | 0ヨコS |  | 20－G1ヵL－ | 人ヨココ0つ | GLOn |
| 8002 | と6て＇\＆\＄ | L002 | 082\＄ |  |  |  |  | กS |  | 10－S1ヤL－ | 人ヨココOO | SLOn |
| 0102 | カ七\＆\＄ |  |  |  |  |  |  | Sप9y9 |  | ト0－て8とャ－ | 人ヨココ00 | 01000 |
| ио！џеб！！90 10 леәл рәџэәdxヨ | łunowv eseyd y10M рәృеш！！sヨ | ио！！еб！！90 10 леәл рәџәәdxヨ | łunowv әseyd y10M рәұеш！！sヨ |  | łunowv eseyd y10M рәұеш！！sョ |  | łunowv eseyd भ10M рәңеш！1sョ | $\theta d K_{\perp}$ <br> y10M |  | jəqunN †כə！old | amen Kıunoכ | əənoy |
| ISNOつ | pue $\exists$ Э | 71 | In | M | O4 | E |  |  |  |  |  |  |

（DOLLAR AMOUNTS IN THOUSANDS）

| 8002 | 8こL＇เ\＄ | 800Z | 1\＄ |  |  |  |  | กSy |  | 10－St10－$\forall$－ | SI773 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8002 | 9Lでャレ\＄ | 8002 | 1.1 |  |  |  |  | प9－กS |  | 10－ZZヤL－ | S177ヨ | ع81م |
| －102 | 09ャ\＄ |  |  |  |  |  |  | प8y9 |  | レ0－をレカナ－ | SI773 | 00000 |
| 6002 | こて0＇1\＄ |  |  |  |  |  |  | प8y |  | 10－8てZ巾－ | SI77 | 00000 |
| 6002 | カャレ＇レ\＄ |  |  |  |  |  |  | กS |  | ト0－sとトゥ－ | SI77 | 01610 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1102 | \＆ $29 \$$ |  |  |  |  |  |  | กS |  | 10－を98t－ | Y73 | $6 \angle 900$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 18で1\＄ |  |  |  |  | LOOZ | 68\＄ | प્రdyપy | 09－Sn $\ddagger$ O H | 10－1060－$\forall \lambda$ | SOY ${ }^{\text {a }}$ | ع8⿺𠃊 |
|  |  | 0102 | 81．\＄ | 8002 | 81．\＄ |  |  | 7dपy ${ }^{\text {a }}$ |  | 10－G1 $\angle 0-\forall \lambda$ | SOYVMOヨ | 0G0ก |
| 8002 | ELE\＄ |  |  |  |  |  |  | กS | $\exists \mathrm{NI} 7$ 人 $\perp$ NกOO O | ト0－66レカ－ | SOY甘MOヨ | ¢ 2 ¢00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 88¢\＄ |  |  |  |  |  |  | 709＇ | VNヨH 1 VM JO S | 10－ $2960-\forall \lambda \mid$ | NVHdINOO | 980ก |
| 8002 | S1L\＄ |  |  |  |  |  |  | 700＇ 1 | ヨNIT ヨ | $10-t 960-\forall>$ | NVHdINOO | 8ЕZ\1 |
| 6002 | S8S\＄ |  |  |  |  |  |  | 17 |  | 10－09 0 －$\forall$－ | NVHdINOO | 980ก |
| 0102 | G8E\＄ |  |  |  |  |  |  | Sugyb |  | 10－6を切－ | NVHdINOO | 00000 |
| 6002 | 0ع乙\＄ |  |  |  |  |  |  | Sप9 ${ }^{\text {a }}$ |  | 10－0てレカ－ | NVHdINOO | 00000 |
| 6002 | \＆ $21 \$$ |  |  |  |  |  |  | กSy | NVHdINOU $\ddagger$ O N IW S ${ }^{\circ}$ | 10－6レレカ－ | NVHdINOO | 82003 |
| 8002 | \＆1て\＄ |  |  |  |  |  |  | Sप98y | प्पIV78 コO ヨ IW 0\％ | ト0－8レレカ－ | NVHdINOO | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 21\＄ |  |  |  |  |  |  | $\pm$ NNOO |  | 10－6860－$\forall$－ | NOSNIYイIIO | †00｜1 |
| 8002 | Sカレ\＄ |  |  |  |  |  |  | $\pm$ NNOO |  | $10-7 \angle 60-\forall>$ | NOSNIYYOIO | L6LY |
| 8002 | 8L1＇レ\＄ |  |  |  |  |  |  | $\pm$ NNOO |  | $10-Z \angle 60-\forall>$ | NOSNIYイIIO | St01 |
| 8002 | 92\＄ |  |  |  |  | LOOZ | S\＄ | पdyyya |  | $10-\angle L 80-\forall \lambda$ | NOSNIYイIO | ち001 |
| 8002 | 6ZS\＄ | 8002 | L\＄ | L002 | S\＄ | 9002 | $\downarrow$ ¢\＄ | ＾7กว |  | 10－0¢S0－-7 | NOSNIYYOIO | عヤ0＞1 |
| 8002 | Lて9\＄ | 8002 | 01\＄ | LOOZ | 1\＄ |  |  | กSy |  | $10-6810-\forall>$ | NOSNIYYIO | 8990n |
| 6002 | 89て＇こ\＄ |  |  |  |  |  |  | HOL $\forall$ d |  | 10－S066－ | NOSNIYイII | 0201 |
| 1102 | Sカセ\＄ |  |  |  |  |  |  | Sપygyo | ヨNIGOOOM $\ddagger$ O M IW c．0 8 S IW S 0 | 10－18をャ－ | NOSNIYOIO | 00000 |
| 0102 | 89を\＄ |  |  |  |  |  |  | Sप9 ${ }^{\text {a }}$ | NヨHd | 10－08をt－ | NOSNIYイIIO | 00000 |
| 8002 | とてヵ\＄ |  |  |  |  |  |  | Sप989 | N $\forall$ WdVHO $\ddagger \mathrm{O}$ N IW 0＇Z $8 \mathrm{M} \mathrm{IW} \mathrm{c}{ }^{\circ}$ | 10－て9とち－ | NOSNIY1OIO | 00003 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 七68\＄ |  |  |  |  |  |  | 」＾NOO |  | 10－2101－${ }^{\text {－}}$ | पก1マつヨロ | ع80ก |
| 8002 | 29t＇1\＄ |  |  |  |  |  |  | 709＇ |  | 10－0101－${ }^{\text {a }}$ | とกค＊つヨロ | 980ก |
| 1102 | LSE\＄ |  |  |  |  |  |  | प8y |  | 10－198t－ | とก1＊つヨロ | 00000 |
| 0102 | 88て\＄ |  |  |  |  |  |  | प8y |  | 10－098t－－ | பกคVつヨロ | 00000 |
| 6002 | LSE\＄ |  |  |  |  |  |  | प8y | प毋⿵冂卄⿰习习 | 10－698t－5 | とก•Vつヨロ | 00003 |
| 8002 | L8て\＄ |  |  |  |  |  |  | प8y】 |  | 10－9てZ巾－ | บก⿺Vつヨด | 00000 |
| 8002 | Lヤて\＄ |  |  |  |  |  |  | प89】 |  | 10－9Zで・ | บกคVつヨด | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 19 Z\＄ |  |  |  |  |  |  | ソS | פyngs illd $\ddagger$ O H | 10－0692－X | वपO』MVYO |  |
| 8002 | เてし\＄ |  |  |  |  |  |  | ソS 17 l |  | 10－St92－X | वบȮMVบつ |  |
| 8002 | 191\＄ |  |  |  |  |  |  | 勺S 17 |  | 10－カャ9て－X | वपO』MVपつ |  |
| 8002 | 191\＄ |  |  |  |  |  |  | ソSค7コ |  | 10－عャ92－X |  |  |
| ио！џеб！！90 <br> 10 леәл <br> рәџэәdxヨ | $\begin{array}{\|c\|} \hline \text { łunow甘 } \\ \text { әseyd } \\ \text { yıоM } \\ \text { pәןеш!!sヨ } \end{array}$ | ио！！еб！！90 <br> 10 dea人 <br> pәృэәdxヨ |  |  | $\begin{gathered} \text { tunowళ } \\ \text { әseyd } \\ \text { y.10M } \\ \text { pәெew!!sヨ } \end{gathered}$ |  |  | $\theta d K_{\perp}$ <br> y10M |  | səqunN †oə！o．d． | amen Kıunos | əınoy |
| ISNOO | pue $\exists$ ¢ | 7 |  | M | O4 | E |  |  |  |  |  |  |

（SaNvSnOHL NI SLNnow y g lioa）

| 6002 | 298＇1\＄ | 6002 | G6†\＄ | 8002 | 091\＄ |  |  | กSy |  |  | NITYNVบป |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6002 | 692\＄ |  |  |  |  |  |  | ロヨヨS | ヨNI7 入 1 NกO৩ S | S0－688L－${ }^{\text {－}}$ |  | 690n |  |  |
| 0102 | カャレ＇て\＄ |  |  |  |  |  |  | กS |  | †0－688L－ | NITYNVYコ | 6S0n |  |  |
| 6002 | 929＇ャ ${ }^{\text {¢ }}$ |  |  |  |  |  |  | กS | ヨNI7 Oכ S＊า | 20－688L－ | NITYNVYコ | 690n |  |  |
| 6002 | 090＇て\＄ |  |  |  |  |  |  | Sપygyo | 7กO＿NVY JO N IW 8＇ | ト0－6ヤレーフ | NITYN $\forall$ Y | 99200 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 967＇S\＄ |  |  |  |  |  |  | กSy | 7OM Oค $\perp$ SヨM ヨ | 10－91．Lて－ | －40］ |  |  |  |
| 8002 | 921\＄ |  |  |  |  |  |  | $\pm$ NNOO |  | 10－G601－${ }^{\text {－}}$ |  | カ601 |  |  |
| 8002 | S0E\＄ |  |  |  |  |  |  | $\pm$ NNOO |  | $10-2601-\forall>$ | $\square$ | †ع0＞1 |  |  |
| 8002 | 9ヤL\＄ |  |  |  |  |  |  | $\pm$ NOO |  | $10-\angle 801-\forall \lambda$ | －$\square_{\text {O－}}$ | 990n |  |  |
| 8002 | とเで1\＄ |  |  |  |  |  |  | $\pm$ NOO | N7 OO $\forall \mathrm{MOI}$ | 10－9801－${ }^{\text {－}}$ | － $40 \pm$ | 00tก |  |  |
| 0102 | 06て\＄ |  |  |  |  |  |  | 709＇ |  | ع0－LEZ8－ | － | 00tก |  |  |
| 8002 | 829＇0¢\＄ | 8002 | トレー\＄ |  |  |  |  | Sप989 |  | 10－LEZ8－－ | वपO－ | 00tก |  |  |
| 1102 | 0LE＇ટ\＄ |  |  |  |  |  |  | กSY |  | ト0－0とをt－- | OपO－ |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6002 | 6てヤ\＄ |  |  |  |  |  |  | กSy |  | ト0－ャعเて－$\cap$ | 入 3 NNI」 | 8090n |  |  |
| 6002 | とャ8＇।\＄ |  |  |  |  |  |  | กSy |  | 10－9902－$\cap$ | 入ヨNNI」 | 8090n |  |  |
| 8002 | 8ع 2 \＄ |  |  |  |  |  |  | กSy |  | 10－890z－ 0 | 入ヨNNI」 | 8090n |  |  |
| 8002 | 8عS\＄ |  |  |  |  | L002 | 1 \＄ | 180N7 |  | 10－ャ6て0－ヨ1 | 人 3 NNIコ | 8880n |  |  |
| 8002 | 乙\＆9\＄ |  |  |  |  |  |  | $1803 d$ |  | 10－1ヵてO－ヨ1 | 入ヨNNI」 |  |  |  |
| 8002 | ヤ＜G＇1\＄ |  |  |  |  |  |  | 700＇ |  | 10－0601－-V | 人 3 NNI」 | 9G1－1 |  |  |
| 8002 | E06＇こ\＄ |  |  |  |  |  |  | 709＇ |  | $10-7801-\forall>$ | 入 3 NNI」 | ع80ก |  |  |
| 8002 | 1عL\＄ |  |  |  |  |  |  | 709＇ | Q | $10-2801-\forall>1$ | 入ヨNNI」 | 090n |  |  |
| 8002 | 0ヤt\＄ |  |  |  |  | L00Z | カ\＄ | NSSY 1 |  | 10－9280－$->$ | 人 3 NNİ | 8090n |  |  |
| 8002 | 0ャャ\＄ | 8002 | 乙\＄ | L002 | ャ\＄ | L002 | 8ヵ\＄ | पdyyy | ع8－Sก NOİONก 」 |  | 入ヨNNI」 | 9St＞1 |  |  |
| 0102 | 161＇t\＄ | 0102 | 002\＄ |  |  |  |  | กSy | 入ఎIO NヨロЧ甘勺－ay y | 10－LL86－ | 入 3 NNI」 | 9G1＞1 |  |  |
| 8002 | SSt\＄ | 8002 | 1\＄ |  |  |  |  | กSy | ヨ＾Iપપ પ પુコy | 10－96L6－ | 人 3 NNI」 | 8880n |  |  |
| 6002 | ZS0＇EL\＄ | 6002 | 999\＄ |  |  |  |  | Sप989 |  | 10－9ヤて8－－ | 入ヨNNI」 | 090n |  |  |
| 0102 | £ટら\＄ |  |  |  |  |  |  | กS |  | 10－0ヤで－ 3 | 人 3 NNI」 | てSカ1O |  |  |
| 0102 | ع乙ऽ\＄ |  |  |  |  |  |  | กS | ヨNIT 人 1 N | 10－6とで・ - | 入ヨNNI」 | LSカ10 |  |  |
| 6002 | 1ع9＇।\＄ |  |  |  |  |  |  | กS |  | 10－8とで－ 3 | 入ヨNNİ | 9212O |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 628＇1\＄ |  |  |  |  |  |  | 709＇ |  | 10－ $2660-\forall \$ & HYOMS77ヨ & 0ヵロ｜  \hline 8002 & L9ャ\＄ & & & & & L002 & \＆દ\＄ & पdy ${ }^{\text {dag }}$ |  | 10－2880－${ }^{\text {－}}$ | H上yOMS77 | 0＜O1 |
| 6002 | Leャ\＄ |  |  |  |  |  |  | Sप989 | SITOdONVY JO M IW 60 | 10－t9をャ－ | H닝NS77 | 8عて00 |  |  |
| 8002 | Lてカ\＄ |  |  |  |  |  |  | प9y9 |  | 10－1とでー | HıYOMS77 | 98て00 |  |  |
| 6002 | として\＄ |  |  |  |  |  |  | प9y勺 |  | 10－0とてか－ 5 | H上บOMS77 | 0ヶて00 |  |  |
| 8002 | とદて\＄ |  |  |  |  |  |  | प8y9 | SI7OdON＊$\ddagger$－$\exists$ IW L＇t | 10－6てZち－ 3 | HıyOMS77ヨ | 00003 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 102\＄ |  |  |  |  |  |  | ソS |  | 10－6992－X | SI77 |  |  |  |
| 8002 | St8＇て\＄ |  |  |  |  |  |  | Sપg8y |  | 10－ヤ90て－$\cap$ | SI77 |  |  |  |
| 8002 | 261\＄ |  |  |  |  |  |  | 81HOY | $\exists \perp$ S OIUCISIH $\exists \perp \forall \perp$ S S $\forall$ H $\perp$ UO」－ટ\＃S | 10－Z1E0－ヨ1 | S177］ |  |  |  |
| 8002 | ZLE＇E\＄ |  |  |  |  |  |  | 人 $\forall 7$－O |  | 10－$\angle 911-\forall \lambda$ | S177］ | 0201 |  |  |
| ио！џеб！！90 <br> 10 леәл <br> рәџэәdxヨ |  | $\begin{gathered} \text { ио!!еб!!90 } \\ \text { 10 леәл } \\ \text { рәџэәdxヨ } \end{gathered}$ | łunowv eseyd Y10M рәџеш！！sヨ | uо！！eб！！90 ！0 леәл рәџәәdxョ | łunowv əseyd Y10M рәџеш！৷sヨ |  | $\begin{gathered} \text { funowy } \\ \text { әseyd } \\ \text { y.10M } \\ \text { pәңеш!!sヨ } \end{gathered}$ | $\theta d K_{\perp}$ <br> y10M |  | səquinN †oə！o．d． | amen Kıunoう | əъnoy |  |  |
| ISNOS | pue $\mathrm{g}^{\text {a }}$ | 7 | 10 | MO | O4 | ， |  |  |  |  |  |  |  |  |


| 8002 | 9Lで।\＄ | 8002 | ¢\＄ | L002 | 1 \＄ |  |  | กSYD |  | 10－LS 0 －$\forall$－ | 入ヨาヨヨコロ | LZO\｜ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6002 | 09ち\＄ |  |  |  |  |  |  | กSy |  | 10－1ヵてか－ | 人ヨาヨコบด | 8L903 |
| 0102 | 9＜\＄ |  |  |  |  |  |  | प8y9 | $\exists \bigcirc \forall บ O H ~\lrcorner O ~ H \perp y O N ~ S \exists า I W ~ 0 ' Z ~$ | 10－9992－ | 入ヨาヨヨบจ | 02910 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 0102 | Gst\＄ | 8002 | GSL\＄ |  |  | O7HS |  |  | 入VYワ | 090n |
| 8002 | LE6\＄ | 8002 | 0ع\＄ | L00Z | 08\＄ | 9002 | 28\＄ | กSy |  | 10－St06－ | 人VYワ | 090n |
| 0102 | $8 \downarrow \angle \$$ |  |  |  |  |  |  | กS |  | 10－\＆0てt－ | 入VYワ | てSカ10 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 9Z乙\＄ |  |  |  |  |  |  | 9S |  | 10－てヤをて－X | INVYワ |  |
| 8002 | G0E\＄ |  |  |  |  |  |  | \07IW |  | 10－Z01て－ 0 | INVYワ | 091ก |
| 8002 | 6ZS\＄ |  |  |  |  |  |  | 人 $\forall 7$－O |  | 10－8601－$-\forall>$ | INVY勺 | 091ก |
| 8002 | 七\＆8\＄ |  |  |  |  |  |  | 人 $\triangle$ 7－O | N7 Oכ＾NY | 10－6801－${ }^{\text {d }}$ | INVYD | SZOV1 |
| 6002 | S0L＇こ\＄ | 8002 | 19\＄ | 8002 | GZ\＄ |  |  | กSy |  | $10-86 \triangleright 0-\forall>$ | INVY乌 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 0＜t\＄ | L002 | L\＄ |  |  |  |  | 7dप्రप9 |  | 10－0EtL－ $\boldsymbol{\lambda}$ | WVHVप⿹ | †て0П |
| 6002 | 991\＄ |  |  |  |  |  |  | กS |  | 10－6とトヤ－ | WVHVYワ | 69800 |
| 6002 | て92\＄ |  |  |  |  |  |  | กS |  | 10－8とレヤ－ | WVHVYD | 81L00 |
| 8002 | LSt\＄ |  |  |  |  |  |  | กS |  | ト0－Lとトゥ－ 3 | WVHVपפ | GLZ00 |
| 8002 | 69を\＄ |  |  |  |  |  |  | กS |  | ト0－9とトゥ－ | WVHVY乌 | SLZ00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 96\＄ |  |  |  |  | L002 | $\angle \$$ | पddyy |  |  | ヨ＾О勺 | हz0） |
| 6002 | L9E\＄ | 6002 | 1\＄ | 8002 | 1\＄ |  |  | 人 $\forall 7$－O | คヨヨบ⿺𠃊 | 10－8816－${ }^{\text {－}}$ | ヨ＾O勺 | £ट0\1 |
| 0102 | 6Gて\＄ |  |  |  |  |  |  | प8y |  | ト0－ヤレカャ－ | ヨ＾O勺 | 00003 |
| 8002 | เ乙乙\＄ |  |  |  |  |  |  | प8y5 |  | 10－Stてt－ | ヨ＾О勺 | GLヤレO |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | ع8t＇E\＄ |  |  |  |  |  |  | กSy |  | 10－9ャ61－ก | 人प甘ヲヨ |  |
| 8002 | Lて\＄ |  |  |  |  | L002 | 1\＄ | पdyyy |  | 10－Z1ロー－ | 人 $4 \forall \exists \bigcirc$ | 0201 |
| 8002 | 0とが1\＄ |  |  |  |  |  |  | กSy |  | 10－ $2011-\forall>$ | 人 $4 \forall \exists \bigcirc$ | 810才1 |
| 8002 | SES\＄ |  |  |  |  |  |  | ONOO |  | 10－1860－${ }^{\text {d }}$ | 人บショワ | LLOn |
| 8002 | S6t＇レ\＄ |  |  |  |  |  |  | पヨıNI |  | $10-6 \angle 60-\forall>1$ | 人บショワ | 810才1 |
| 8002 | 七\＆1\＄ |  |  |  |  |  |  | 1＾NOO | ヨNI7 人 $\perp$ NกOO 人ヨ | $10-2960-\forall>1$ |  | LLLY |
| 8002 | ZLL\＄ |  |  |  |  | LOOZ | 21\＄ | पddyy |  | 10－9 $280-\forall>$ | 人ソヤヨด | 0＜O1 |
| 8002 | $18 \$$ |  |  |  |  | L00Z | 9\＄ | पdyyy |  | $10-7 \angle 80-\forall>1$ | 人ソӨヨ勺 | 80t0 |
| 6002 | GSE\＄ | 6002 | 1\＄ | 8002 | E\＄ | L00Z | 68\＄ | $\wedge 7 \cap \bigcirc$ |  | 10－て\＆S0－ | 人ソӨヨด | LSOX |
| 8002 | 6LG＇1\＄ | L002 | 09\＄ |  |  | 9002 | †G ${ }^{\text {¢ }}$ | HO NI |  | 20－GGZ8－ | 人પVヨワ | 0＜O1 |
| 6002 | てLも\＄ |  |  |  |  |  |  | Sप98y |  | 10－90ヶt－ 3 | 人ソӨヨ勺 | 90810 |
| 8002 | Sヤレ\＄ |  |  |  |  |  |  | Sપygub | 人 $\perp$ IO NOIIONก $\ddagger$ O M IW 0 ${ }^{\circ}$ | 10－8とをt－ 3 | 人צ゙ | 00003 |
| 8002 | 98ャ\＄ |  |  |  |  |  |  | Sપy8ub |  | ト0－をカてか－ |  | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | L৮\＄ |  |  |  |  |  |  | ソS |  | 10－8Gャて－X |  |  |
| 8002 | 七8\＄ |  |  |  |  |  |  | पddyy |  | 10－GOLI－${ }^{\text {a }}$ |  | 8901 |
| 8002 | ELS\＄ |  |  |  |  | LOOZ | 0ヵ\＄ | ydyy |  | 10－9680－$\forall$－ | NITYNVบ」 | G801 |
| $\begin{gathered} \hline \text { uо!!еб!!90 } \\ \text { 10 леәл } \\ \text { pәџэәdxヨ } \end{gathered}$ |  | $\begin{gathered} \text { uо!!еб!!90 } \\ \text { !0 леәл } \\ \text { рәџэәdxヨ } \end{gathered}$ |  | ио！！еб！！90 ч० леәл рәџәәdхヨ |  |  |  | $\theta d K_{\perp}$ <br> y10M |  | jəqunn †כə！old | amen Kıunos | əъnoy |
| ISNOS | pue $\exists$ ¢ | 71 |  | MO | O4 | E |  |  |  |  |  |  |


| 0102 | †9¢\＄ | 0102 | 9\＄ | 6002 | 1 1\＄ |  |  | MO7IW | WI7 入＾II N O | $10-2880-\forall>\mid$ | NOSY ${ }^{\text {a }}$（ | 6S1ก |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8002 | ヤレヤ\＄ |  |  |  |  |  |  | Sपy9yo | Nヨaly ${ }^{\text {a }}$ JO M IW L＇0 8 S IW S＇Z | ト0－GOLナ－ | NOSUヨココゴ | 00000 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | LLZ\＄ |  |  |  |  |  |  | 709＇ |  | 10－1960－$\forall$－ | NOSYOVI | SLOM |  |  |
| 8002 | 9ヤt\＄ |  |  |  |  |  |  | Sપ્વ8Y |  | 10－L8レがつ | NOSYOVI | 00003 |  |  |
| 8002 | S8S\＄ |  |  |  |  |  |  | y8y |  | ト0－98レヤ－ | NOSYOVI | 00003 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 919＇2\＄ |  |  |  |  |  |  | 700＇ |  | $10-1601-\forall>$ | NVWヨ⿹丁OH | 9G1－1 |  |  |
| 8002 | 099\＄ | 8002 | L\＄ | L002 | 01\＄ |  |  | $\square \mathrm{C}$ ¢ 1 Nl |  | 10－9S10－ －$^{\text {d }}$ | NVWヨפCOH | 9G1＞1 |  |  |
| 6002 | 00L＇と\＄ | 8002 |  | L00Z | 01\＄ |  |  | กSy |  | 10－9とをち－ | NVWヨ⿹COH | ¢¢ ${ }^{\text {¢ }}$ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | เて乙\＄ |  |  |  |  |  |  | 9S |  | 10－0ムヵて－ X | $77 \exists \mathrm{Y}$ 壮 | 880ก |  |  |
| 8002 | ヤ¢1\＄ |  |  |  |  |  |  | $180 \exists \mathrm{~d}$ |  | 10－00ヶt－ 3 | $77 \exists$ YSVH |  |  |  |
| 8002 | 9LL\＄ |  |  |  |  |  |  | กS |  | 10－て\＆8と－ | $77 \exists \mathrm{Y}$ 儉 | 29610 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 102\＄ |  |  |  |  |  |  | ソS $\llcorner 7 \pm$ |  | 10－sZ9Z－X | 人ヨ |  |  |  |
| VH |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | LSI\＄ |  |  |  |  |  |  | ソS $\llcorner 7$ |  | 10－ヤて9て－X | 人ヨ＾४ |  |  |  |
| 8002 | 19 Z\＄ |  |  |  |  |  |  | 9S $\perp 7$ |  | 10－をて92－X | 人 $\exists \wedge$ ¢ $V \mathrm{H}$ |  |  |  |
| 8002 | 00ع＇เ\＄ |  |  |  |  |  |  | ＾O7IW |  | 10－9602－ 0 | 人 $\exists \wedge$ ¢ $\forall \mathrm{H}$ | S10＞1 |  |  |
| 8002 | Lて\＄ |  |  |  |  |  |  | I80N7 |  | 10－8LE0－ヨ1 | 人ヨ＾\VH |  |  |  |
|  |  |  |  | 0102 | 000＇$¢ \$$ | 0102 | 1 \＄ | MOY |  | 10－80t0－$\forall$－ | 人ヨ\ソVH | 090n |  |  |
|  |  | 1，0Z | 七6て\＄ |  |  |  |  | Sપ્વgyb |  | 10－6とャ6－ | 人 $\exists \wedge$ ¢ $\forall \mathrm{H}$ | 090n |  |  |
| 8002 | \＆Gこ\＄ |  |  |  |  |  |  | $1903 d$ |  | ト0－ト0カர－ 5 | 人ヨ＾\VH |  |  |  |
| 1．102 | 80ع｀เ\＄ |  |  |  |  |  |  | Sપ્વgyo | OS－Sก O IIW ガ ！N S | 10－98をち－ 3 | 人ヨ＾४ | L0803 |  |  |
| 0102 | G96\＄ |  |  |  |  |  |  | Sપygyo |  | 10－てヤて巾－ | 人ヨ＾ | 67 200 |  |  |
| 6002 | 606\＄ |  |  |  |  |  |  | Sप9 ${ }^{\text {c }}$ |  | ト0－トGเカ－ | 人ヨ＾पVH | 70800 |  |  |
| 8002 | S8L\＄ |  |  |  |  |  |  | Sugyb | NOISS ${ }^{\text {a }}$ JO S IW $0{ }^{\circ} \mathrm{L}$ | ト0－0Gトがつ | 人ヨ＾УVH | †0\＆00 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | SIL\＄ |  |  |  |  |  |  | ＾O7IW | て－久 NO 7ON Oı＇091－Sก H | 10－L802－ 0 | प $\ddagger$ dy $\forall \mathrm{H}$ | 2001 |  |  |
| 8002 | L61\＄ |  |  |  |  |  |  | 人 ¢ $^{\text {¢ }}$ | （ट－＞્ર）ヨПNヨ＾＊⿹877 NO 7ON ヨH | 10－LLOZ－ 0 | प $\exists$ dy $\forall \mathrm{H}$ | 2001 |  |  |
| 8002 | 109\＄ |  |  |  |  |  |  | 」＾NOO |  | 10－s | प $\exists$ dy $\forall \mathrm{H}$ | ヤレ0＞1 |  |  |
| 8002 | ع68\＄ |  |  |  |  |  |  | $\pm \wedge N O O$ |  | $10-7 \angle 01-\forall \lambda$ |  | 6LL |  |  |
| 0102 | E9S\＄ | 0102 | L\＄ | 6002 | 1 \＄ | LOOZ | ع9\＄ | $\wedge 7 \cap \bigcirc$ | ヨNIT ヨ | 10－6060－$\forall$－ | प $\exists$ dy $\forall \mathrm{H}$ | 6L1＞ |  |  |
| 1．102 | G66＇Z\＄ |  |  |  |  |  |  | กS | IW 81 ヨ N7 OO y | ト0－トてヤち－ | प $\exists$ dy $\forall \mathrm{H}$ | とて61O |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | L98＇${ }^{\text {\＄}}$ |  |  |  |  |  |  | ヨ7イОบ |  | $10-\varepsilon 801-\forall \lambda$ | NO | 090n |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6002 | 七81\＄ |  |  |  |  |  |  | \O7IW |  |  | OOOMNヨヨบУ | †G0n |  |  |
| 8002 | 616＇1\＄ |  |  |  |  |  |  | $\pm$ NOO |  | $10-8+01-\forall \$ & OOOMNヨヨบ勺 & 660｜  \hline 6002 & ヤヤレ\＄ & 8002 & 1 \＄ & 8002 & 1 \＄ & & & $\wedge 7 \cap \bigcirc$ |  |  | OOOMNヨヨบУ | tG0n |
| 8002 | くヤレ\＄ |  |  |  |  |  |  | 勺S | $\downarrow ~ \perp O I U \perp S I O ~ N I ~ S N O I \perp \forall O O 7 ~ S \cap O I U 甘 \wedge ~$ |  | OOOMNヨヨบ勺 | 6601 |  |  |
| 6002 | レてト＇เ\＄ |  |  |  |  |  |  | กSy |  | ト0－トヤレカ－ | OOOMNヨヨบ勺 | 16203 |  |  |
| 8002 | 96て＇เ\＄ |  |  |  |  |  |  | กSY的 |  | ト0－0カレガ 3 | OOOMNヨヨบด | 09100 |  |  |
|  | $\begin{array}{\|c\|} \text { łunow } \\ \text { әseyd } \\ \text { y.10M } \\ \text { pәןеш!łsヨ } \end{array}$ |  | junowv eseyd y， 0 М рәృеш！！sヨ |  | $\begin{gathered} \text { łunowв } \\ \text { әseyd } \\ \text { y.10M } \\ \text { pәןеш!!sヨ } \end{gathered}$ |  | $\begin{gathered} \text { łunowв } \\ \text { әseyd } \\ \text { y.ом } \\ \text { pәןеш!!sヨ } \end{gathered}$ | $\theta d K_{\perp}$ <br> y10M |  | səquinN <br>  | əumen Kıunos | əənoy |  |  |
| ISNOJ | pue $\exists$ Э | 7 | ก | M | O4 |  |  |  |  |  |  |  |  |  |



| 8002 | 15\＄ |  |  |  |  |  |  | 9S 17 |  | 10－0992－X | NO人7 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8002 | LSL\＄ |  |  |  |  |  |  | 勺S 17 |  | 10－6†92－X | NO人7 |  |
| 6002 | 099\＄ |  |  |  |  | LOOZ | 21\＄ | प $\exists \perp \mathrm{NI}$ |  | 10－tG1て－$\cap$ | NO人7 |  |
| 8002 | て1と\＄ |  |  |  |  |  |  | ＾O7IW |  | 10－9802－ 0 | NO人7 | 090n |
| 6002 | 6とト＇ヤ\＄ |  |  |  |  |  |  | Sy9y9 |  | 10－g $200^{-}$？ | NO人7 | 00000 |
| 8002 | Lヤ9\＄ |  |  |  |  |  |  | 1＾NOO |  | 10－1960－ －$^{\text {－}}$ | NO人7 | 0＜LV |
| 8002 | 08て\＄ |  |  |  |  | L00Z | 02\＄ | ydyyg | 66－＞J－ 1 SVヨ H |  | NO人7 | GE01 |
| 0102 | 908\＄ | 0102 | \＆\＄ | 6002 | 61\＄ | 6002 | 99\＄ | પОヨО |  | 10－8980－V＞ | NO人7 | 660才1 |
| 8002 | 乙とャ\＄ |  |  |  |  | L00Z | 0ع\＄ | पdyyy |  | $10-9980-\forall>1$ | NO人7 | 660＞1 |
| 6002 | Sカレ＇เ\＄ | 8002 | 21\＄ | 8002 | 1\＄ |  |  | กSy勺 | $\ddagger$ OVOU ONV 0S－Sก $\perp$ Or ：OO NO人7 | $10-\varepsilon 9 \downarrow 0-\forall>1$ | NO人7 | 090n |
| 8002 | 880＇乙\＄ | 8002 | 1\＄ |  |  |  |  | प̇コロNi |  | 10－1186－ | NO人7 | 0G0n |
| 0102 | LS8\＄ |  |  |  |  |  |  | S 48 y － | ヨd70 JO ヨ IW s＇t 8 N IW ャ＊9 | 10－LZとか－ | NO人7 | 0LSIO |
| 6002 | 09L＇เ\＄ |  |  |  |  |  |  | Sy8y |  | ト0－0んレーフ | NO人7 | 00003 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 191\＄ |  |  |  |  |  |  | 9S 17 |  | 10－0992－X | NVツO7 |  |
| 8002 | 9G1\＄ |  |  |  |  |  |  | 人 $\forall 7$－O |  | $10-\varepsilon 101-\forall>$ | NV907 | ع80ก |
| 8002 | LZ8‘Z\＄ |  |  |  |  |  |  | 1＾NOO | Gz－＞／0ヶ－Sก $\perp$ O $\perp$ S | 10－6001－${ }^{\text {d }}$ | NVOO7 | SZ0） |
| 8002 | LL\＄ |  |  |  |  | L002 | S\＄ | ydyy |  | 10－9880－$\forall$－ | NVOO7 | ع80ก |
| 8002 | 81． |  |  |  |  |  |  | 勺S |  | †0－L26G－－ | NVOO7 | SZ0）1 |
| 0102 | 乙8て\＄ |  |  |  |  |  |  | nS |  |  | NVOO7 | 89610 |
| 6002 | SGL\＄ |  |  |  |  |  |  | กS |  | レ0－tGレがつ | NVOO7 | 00003 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 10¢\＄ |  |  |  |  |  |  |  |  | 10－LE92－X | NNI7 |  |
| 8002 | 10Z\＄ |  |  |  |  |  |  | ソS 17 | NOINVSVヨ7d NI $\perp$ gヨy | 10－9892－X | NNI7 |  |
| 8002 | 121\＄ |  |  |  |  |  |  | 9S 17 |  | 10－s892－X | NNI7 |  |
| 8002 | 021\＄ |  |  |  |  | G002 | GZ1\＄ | dMHHS |  | 10－ZLZ0－甘＞ | NNI7 | 690n |
| 8002 | L७L＇S\＄ | LOOZ | LZL\＄ |  |  | 9002 | 208\＄ | 7dपy ${ }^{\text {d }}$ |  | 10－ $2610-\forall>$ | NNI7 | ZS1） |
| 8002 | 001\＄ |  |  |  |  |  |  | ロヨコS | HOY $\frac{1}{}$ NI ZS－＞M | ع0－を68L－ | NNI7 | $690 \cap$ |
| 6002 | 981\＄ |  |  |  |  |  |  | ロヨヨS | †0ZLSU JO S WY彑＇0 OL N＇HOY | 20－Z68L－ | NNI7 | 690n |
| 8002 | 801\＄ |  |  |  |  |  |  | ロヨヨS | EOZ | ع0－168L－ | NNI7 | 690n |
| 8002 | 七¢E\＄ |  |  |  |  |  |  | $\forall$ VS |  |  | NNI7 | 690n |
| 1．102 | Oヤて\＄ |  |  |  |  |  |  | Sy9y9 | NOLNVS＊ヨ7d $\ddagger$ O M IW 6．0 8 N IW ${ }^{\circ} 0$ | 10－89とt－ | NNI7 | 00003 |
| 0102 | てヤセ\＄ |  |  |  |  |  |  | Sy9yb | HOILCOOV JO S IW c ${ }^{\circ}$ | 10－L9Et－－ | NNI7 | $68 \varepsilon 00$ |
| 6002 | S0ヵ\＄ |  |  |  |  |  |  | Sy9yb | HOIપCOOOS JO ヨN IW GZ＇0 | 10－998t－ 0 | NNI7 | $6 \varepsilon \varepsilon 00$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0102 | ع61\＄ |  |  |  |  |  |  | पayy | N7OONI7 JO S IW ト’0 8 ヨ IW \＆＇乙 | 10－09てt－ 3 | N703NI7 | 00000 |
| 8002 | ટع®\＄ |  |  |  |  |  |  | प9y |  | 10－692t－- | N703NI7 | 00000 |
| 8002 | 69†\＄ |  |  |  |  |  |  | प9y勺 | $77 \forall\lrcorner \perp$ SヨM JO N IW 0＇1 8 M IW 0＇G | 10－ZSトが | N703NI7 | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 99て＇।\＄ | 8002 | こ†て\＄ |  |  |  |  | กSy |  | 10－9ャ06－ | ヨN $\forall 7$ | 960才1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | เ乙乙\＄ |  |  |  |  |  |  | 9S |  | 10－t99て－X | ヨャ上ヨ ${ }^{\text {¢ }}$ |  |
| $\begin{gathered} \hline \text { uо!џеб!!90 } \\ \text { 10 леәл } \\ \text { pәџэәdxヨ } \end{gathered}$ |  |  | łunouv eseyd y10M рәұеш！！sヨ | $\begin{gathered} \text { uо!џеб!!90 } \\ \text { 10 леәл } \\ \text { рәџэәdxヨ } \end{gathered}$ | łunowv eseyd Y10M рәреш！！sヨ |  |  | $\theta d K_{\perp}$ <br> y10M |  | səqunn <br>  | amen Kıunoכ | əъnoy |
| ISNO〕 | pue $\exists$ ¢ | 7 | 10 |  | O4 | E |  |  |  |  |  |  |


| 1102 | 898＇1\＄ |  |  |  |  |  |  | प98 |  | 10－てZヤャ－ 3 | IWVIW | 70915 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1102 | 0G $\angle \$$ |  |  |  |  |  |  | Sप989 |  | 10－LSトワ－ 3 | IWVIW | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 980＇เ\＄ |  |  |  |  |  |  | 180N7 |  | 10－9620－ヨ1 | ヨロオヨW |  |
| 8002 | เ乙と‘ટ\＄ |  |  |  |  |  |  | －＾NOO | $\exists \mathrm{G} \exists \mathrm{W}$ JO S | 10－9601－ －$^{\text {d }}$ | ヨロオヨW | عZ0¢ |
| 8002 | 926\＄ |  |  |  |  |  |  | －＾NOO | $\exists \mathrm{NI} 7$ 人 $\perp$ NกO৩ ン | $10-1801-\forall>1$ | ヨロオヨW | 七G0ก |
| 8002 | 988\＄ |  |  |  |  |  |  | 」＾NOO |  | 10－0801－${ }^{\text {d }}$ | ヨロオヨW | $\downarrow$ ¢0n |
| 0102 | 061＇1\＄ | 0102 | とて， | 6002 | 1 \＄ |  |  | กSy |  | $10-\angle\rangle 80-\forall>1$ | ヨロVヨW | 860지 |
| 6002 | 0Z\＄ |  |  |  |  |  |  | 0ヨコS | $\dagger$－S | 20－1てヤく－ | ヨロオヨW | 0910 |
| 8002 | †¢ع＇ャ\＄ | 8002 | 001\＄ |  |  |  |  | กSy |  | 10－12カL－ | ヨロオヨW | 091ก |
| 8002 | と0†\＄ |  |  |  |  |  |  | กS |  | 10－L9です | ヨロVヨW | 98200 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | LSZ\＄ |  |  |  |  |  |  | ソS 17 |  | 10－1892－X | NOSU3HdOW |  |
| 8002 | 10Z\＄ |  |  |  |  |  |  | ソS 17 l |  | 10－0892－X | NOSU3HdOW |  |
| 8002 | LGZ\＄ |  |  |  |  |  |  | ソS 17 |  | 10－6L9Z－X | NOSU3HdOW |  |
| 8002 | LGZ\＄ |  |  |  |  |  |  | ソS |  | 10－8L92－X | NOSU3HdOW |  |
| 8002 | LGZ\＄ |  |  |  |  |  |  | 勺S | NVWNI $\ddagger$ O ${ }^{\text {S OVOU }}$ Nİ्रSYOng 8 OİIOVd NOINก | 10－LL9Z－X | NOSU3HdOW |  |
| 8002 | LGZ\＄ |  |  |  |  |  |  | ソS | Q $⿻$ OU OHVdVY甘 8 כİIOVd NOINत | 10－9L92－X | NOSU3HdOW |  |
| 8002 | เ乙て\＄ |  |  |  |  |  |  | ＾O7IW |  | 10－8602－ 0 | NOSU3HdOW | †00¢ |
| 8002 | とャ8＇1\＄ | 8002 | عı\＄ |  |  |  |  | กSy勺 |  | $10-2 ャ 10-\forall>1$ | NOSU3HdOW | 9G0n |
| 8002 | 628\＄ | 8002 | 1\＄ |  |  |  |  | כบ＾${ }^{\text {d }}$ |  | $10-1 ヵ 10-\forall>1$ | NOSU3HdOW | 81800 |
| 6002 | G $\angle 8{ }^{\text {¢ }} \mathrm{C}$ S\＄ | 6002 | てヤO＇1\＄ |  |  | †002 | 009＇ટ\＄ | Sप9y9 |  | 20－EGZ8－ | NOSU3HdOW | 1901 |
| 6002 | OGG＇Lも\＄ | 6002 | GLE\＄ |  |  |  |  | Sપ989 |  | 10－EGZ8－$\$ & NOS ${ }^{\text {a }}$ HdOW | 1901 |  |
| 0102 | とL1＇เ\＄ |  |  |  |  |  |  | Sugyb |  | 10－9てをち－ 5 | NOSU3HdOW | とヤ0てつ |
| 0102 | 920＇1\＄ |  |  |  |  |  |  | Sप9บす |  | 10－GZEt－ | NOSU3HdOW | \＆ャ0てO |
| 6002 | 09ャ\＄ |  |  |  |  |  |  | Sप9 ${ }^{\text {c }}$ |  | 10－L60t－ 3 | NOS ${ }^{\text {a }}$ HdOW | 61803 |
| 8002 | G†E\＄ |  |  |  |  |  |  | Sप9y9 |  | 10－890ヶ－ 5 | NOSU3 HdOW | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 1LZ\＄ |  |  |  |  |  |  | ソS |  | 10－9G9z－X | 77 VHS UVW |  |
| 8002 | LعL\＄ |  |  |  |  |  |  | 勺S |  | 10－9ZてZ－X | 77 VHS UVW |  |
| 6002 | ع86\＄ |  |  |  |  |  |  | \O7IW |  | 10－9602－ 0 | $77 \mathrm{VHSU} V \mathrm{~W}$ | $980 \cap$ |
| 8002 | 七\＆เ\＄ |  |  |  |  |  |  | 1＾NOO |  |  | $77 \mathrm{VHSU} V W$ | 980ก |
|  |  | 1．102 | 68\＄ | 6002 | 8L1\＄ |  |  | 7dपy |  | $10-9+\angle 0-\forall>1$ | $77 \mathrm{VHSU} V \mathrm{~W}$ | LLOn |
| 6002 | S8て＇1\＄ |  |  |  |  |  |  | กS |  | 10－698ち－ | $77 \mathrm{VHSU} V \mathrm{~W}$ | عとヤ00 |
| 8002 | 6ヤセ\＄ |  |  |  |  |  |  | प9y |  | 10－9G1カ－ | $77 \mathrm{VHSU} V \mathrm{~W}$ | 00003 |
| 6002 | 16E\＄ |  |  |  |  |  |  | Sप9 ${ }^{\text {a }}$ |  | 10－9868－ 3 | $77 \forall \mathrm{HSC} V \mathrm{~W}$ | 00003 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0102 | 80て＇1\＄ |  |  |  |  |  |  | กSY | $\forall d W \forall \perp$ O | 10－99で－ 5 | NOIUVW | 62ヤ03 |
| 6002 | 86¢\＄ |  |  |  |  |  |  | Sप9 ${ }^{\text {a }}$ | ヨコNヨyoly jo S IW 9＊0 8 コ IW L＇z | 10－G9てt－ 5 | NOIU ${ }^{\text {a }}$ | 00000 |
| 8002 | เعヤ\＄ |  |  |  |  |  |  | Sप9y9 | 入008Vヨd $\ddagger 0$ ヨ IW ¢ ${ }^{\circ}$ | 10－t9で・ | NOIU＊W | †てヤ0ゝ |
| 8002 | 七6\＆\＄ |  |  |  |  |  |  | Sugyo |  | 10－を9で－ | NOIU甘W | と9210 |
| 8002 | 18t\＄ |  |  |  |  |  |  | प9y9 | Э | 10－GSเカ－ 3 | NOIU $\forall$ W | 26000 |
| 8002 | とトゥ\＄ |  |  |  |  |  |  | Sugyb |  | 10－をG0ヶ－ | NOIU＊W | とてヤ0つ |
| $\begin{gathered} \text { uо!џеб!!90 } \\ \text { 10 леәл } \\ \text { рәџэәdxヨ } \end{gathered}$ | łunow әseyd yıоM pejew！！sヨ |  | łunowv oseyd Y10M рәџеш！！sヨ |  |  | $\begin{gathered} \text { uо!џеб!!90 } \\ \text { !0 леәл } \\ \text { рәџәәdxヨ } \end{gathered}$ | łunowv eseyd y，10M рәңеш！！sヨ | $\partial d K_{\perp}$ <br> ソ10М |  | ıəqunN 1כə！o．d． | əuren Kıunoう | әұnoy |
| ISNOS | pue $\exists$ Э |  | ！ | M |  | B |  |  |  |  |  |  |

（DOLLAR AMOUNTS IN THOUSANDS）

| 0102 | 016\＄ |  |  |  |  |  |  | nS |  | 10－8ト0t－ 3 | NOLYOW | 8Lt00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 102\＄ |  |  |  |  |  |  | ソS | N 1 IO ヨ | 10－8992－X | SIપCyOW |  |
| 8002 | 10Z\＄ |  |  |  |  |  |  | ソS $\perp 7$－ |  | 10－LS92－X | SİCyOW |  |
| 8002 | L91\＄ |  |  |  |  |  |  | \O7IW | ヨ＾O¢勺 ᄀIONกOO NI S | 10－9102－ 0 | SİCyOW | $\angle \angle L Y$ |
| 8002 | 012\＄ |  |  |  |  |  |  | $\pm \wedge$ NOO |  | $10-8660-\forall>$ | SİCyOW | 990n |
| 8002 | Lع乙\＄ |  |  |  |  |  |  | $\pm$ NNOO |  | $10-2660-\forall>$ | SİCyOW | 990n |
| 8002 | GZS\＄ |  |  |  |  |  |  | $\pm$ NNOO |  | 10－1660－$\forall \lambda$ | SİCyOW | 6ヶトV |
| 8002 | こ9L＇こ\＄ |  |  |  |  |  |  | $\pm$ NOO | LLL－＞／t－＞＞1 1 ¢ S O | 10－0660－$\forall \lambda$ | SİCyOW | †00¢ |
| 0102 | 08て\＄ | 0102 | 乙\＄ | 6002 | 乙\＄ | L002 | 0ع\＄ | ィ7กว |  | $10-1860-\forall>1$ | SİCyOW | 9G0ก |
| 6002 | 0Gカ\＄ | 6002 | L\＄ | 8002 | L\＄ | L002 | 09\＄ | ィากว |  | $10-2060-\forall \lambda$ | SİCyOW | 9G0n |
| 0102 | L8\＄ | 0102 | 1\＄ | 6002 | 1 L | L002 | 9\＄ | ィากว |  | $10-8880-\forall>$ | SİCyOW | †00¢ |
| 0102 | S97\＄ | 0102 | 1\＄ | 6002 | 1\＄ | L002 | 09\＄ | ィ7กว |  |  | SİCyOW | †001 |
| 8002 | 6عદ\＄ |  |  |  |  |  |  | Sપygyo |  | 10－69で－ | SIUCyOW | 00000 |
| 0102 | 9LE\＄ |  |  |  |  |  |  | Sप989 |  | 10－89てゅ－- | SIपCyOW | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 181\＄ |  |  |  |  |  |  | ソS |  | 10－1－292－X | \पヨ ${ }^{\text {d }}$ |  |
| 8002 | 610＇1\＄ |  |  |  |  |  |  | HO\＆${ }^{\text {d }}$ |  | 10－を80て－$\cap$ | 入પヨWOソ」NOW | 9910 |
| 8002 | †Gで1\＄ | L00Z | 1\＄ |  |  |  |  | กSy | H18 ONV 991－Sก NヨヨM | 10－9 ${ }^{\text {－}}$ | 入УヨWOV」NOW |  |
| 8002 | 189\＄ |  |  |  |  |  |  | กS |  | こ0－1ヵて8－ | 入પヨWOソ」NOW | 691ก |
| 6002 | 116＇Eカ\＄ | 8002 | 988＇2\＄ |  |  |  |  | Sप989 |  | 10－1ヵて8－ | 入પヨWOソ」NOW | 691ก |
| 8002 | ヤ8ャ\＄ | L002 | 02\＄ |  |  |  |  | प9 |  | 10－S999－ | 入УヨWOV」NOW | 9910 |
| 1102 | て\＆ャ\＄ |  |  |  |  |  |  | प9y9 |  | 10－8レカカー - | 入પヨWOソ」NOW | 00000 |
| 6002 | S\＆ャ\＄ |  |  |  |  |  |  | प8y |  | 10－0LEt－ 3 | 入પヨWOソ」NOW | 00000 |
| 0102 | 210＇1\＄ |  |  |  |  |  |  | Sપygyo | प̧コ入I | 10－6Sレヤ－ | 入પヨWOV」NOW | 68020 |
| 8002 | 七89\＄ |  |  |  |  |  |  | Sप98】 |  | ト0－8Gเヤ－ 5 | \บヨWOV」NOW | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0102 | \＆98\＄ | 0102 | 1\＄ | 6002 | L\＄ |  |  | กSy | IW て＇H L CON＇ 1 S H 16 JO H | 10－s ${ }^{\text {ce80－}}$－ | 77ヨHOLIW | ヤ10¢ |
| 8002 | 89\＄ | 8002 | 1\＄ | L002 | E\＄ | 9002 | 08\＄ | ィ7กว |  | 10－ZSS0－-7 | $77 \exists \mathrm{HO}$ คIW | 七20n |
| 6002 | 80ャ\＄ |  |  |  |  |  |  | Sપ9y9 | LIO7ヨ9 コО ヨ IW s＇z 8 S IW coo | ト0－トてEt－ | $77 \exists H O \perp I W$ | 00000 |
| 8002 | 七01＇เ\＄ |  |  |  |  |  |  | กS |  | ト0－88レカ－ 3 | $77 \exists H O \perp I W$ | LSt00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 10ヶ\＄ |  |  |  |  |  |  | ソS |  | 10－Z892－X | IWVIW |  |
| 8002 | 1く1\＄ |  |  |  |  |  |  | ソS |  | 10－t¢9て－X | IWVIW |  |
| 8002 | 181\＄ |  |  |  |  |  |  | 勺S 17 |  | 10－888て－X | IWVIW |  |
| 8002 | †89＇1\＄ |  |  |  |  |  |  | กSy |  | 10－9902－ 0 | IWVIW |  |
| 8002 | 982\＄ |  |  |  |  |  |  | HO\＆$\forall$ d | N7 Oכ Or／IW OL N N7 OO NOSNHO「／IWVIW JO H | 10－St01－${ }^{\text {－}}$ | IWVIW | 690n |
| 8002 | G16＇こ\＄ |  |  |  |  |  |  | ONOO |  |  | IWVIW | LOOX |
| 8002 | ع01\＄ |  |  |  |  | LOOZ | $\angle \$$ | पddyy |  | 10－ $2680-\forall \times$ | IWVIW | $690 \cap$ |
| 8002 | S00＇1\＄ | 8002 | 1\＄ | L002 | 1 \＄ |  |  | กS |  | $10-6 \mathrm{~b}$－0－$\forall>$ | IWVIW |  |
| 8002 | LEO＇1\＄ | 8002 | 1\＄ |  |  |  |  | กSy |  | $10-8+10-\forall>$ | IWVIW | 8901 |
| 8002 | 981＇t\＄ | 8002 | 七てし\＄ |  |  |  |  | Sप989 |  | 10－89ャ6－ | IWVIW |  |
| 8002 | 6ZS\＄ | L00Z | L\＄ |  |  |  |  | पdyyyg |  | 10－6とャL－ | IWVIW | 8901 |
|  | $\begin{array}{\|c\|} \hline \text { łunow甘 } \\ \text { әseyd } \\ \text { yıоM } \\ \text { pәןеш!!sヨ } \end{array}$ | ио！！еб！！90 <br> 10 dea人 <br> pәృэәdxヨ |  |  | łunow甘 әseyd y10M pejew！！sヨ |  |  | $\theta d K_{\perp}$ <br> y10M |  | səqunN <br> †oə！o．d． | amen Kıunos | əənoy |
| ISNOO | pue $\exists$ ¢ | 7 | ！ | M | O4 | E |  |  |  |  |  |  |



| 8002 | 乙\＆て\＄ |  |  |  |  |  |  | ＾O7IW |  | 10－0602－ | $\exists \exists \mathrm{NM} \forall \mathrm{d}$ | 990n |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0102 | 6LL\＄ |  |  |  |  |  |  | กS | Sヨ7IW 6＇t H | 10－8Lです－ | $\exists \exists \mathrm{NM} \forall \mathrm{d}$ | SZZ00 |
| 8002 | 998\＄ |  |  |  |  |  |  | กSy | H | 10－を8らع－ | $\exists \exists \mathrm{NM} \forall \mathrm{d}$ | 8ZS00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | S1ヵ\＄ |  |  |  |  |  |  | $709^{\prime}$ |  | 10－9660－$\forall$－ | $\forall M \forall \perp \perp O$ | 180 n |
| 8002 | 01E\＄ |  |  |  |  |  |  | 709＇ 1 | Sヨ7IW 9 H」YON ！（8LS Sy）SI7OdVヨNNIW | $10-\downarrow 660-\forall>$ | $\forall M \forall \perp \perp O$ | 1800 |
| 6002 | LIZ\＄ |  |  |  |  |  |  | 17 |  | $10-\angle S \angle 0-\forall X ~$ | $\forall M \forall \perp \perp O$ | 1800 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6002 | 8ヤ¢\＄ | 800Z | $1 \$$ | 8002 | 1 \＄ |  |  | กSy |  | $10-1 \angle t 0-\forall \lambda$ | ヨNyO9SO | †ZOn |
| 6002 | 81ع＇ટ\＄ | 6002 | 81\＄ | 8002 | 0ع1\＄ |  |  | กSપ゙ |  | 10－6L96－ | ヨNyO9SO |  |
| 0102 | と0ヤ\＄ |  |  |  |  |  |  | y8y9 | NOL7V JO ヨ IW 0＇t 8 S IW cio | 10－1LEt－ | ヨNyO9SO | 00000 |
| 0102 | ع98\＄ |  |  |  |  |  |  | กS |  | 10－9くで－ | ヨNyO8SO | LLS00 |
| 6002 | ع9ャ\＄ |  |  |  |  |  |  | प8y | SNMOU JO M IW 0＇s 8 N IW て＇$\downarrow$ | ト0－t | ヨNYO9SO | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 0LE＇1\＄ |  |  |  |  | 9002 | L\＄ | 7닉ㄱ |  | 10－9920－ヨ1 | ヨ⿹VSO |  |
| 8002 | てヵ¢＇।\＄ |  |  |  |  |  |  | $\pm$ NNOO |  | 10－s960－-1 | ヨ⿹VSO | SLOn |
| 8002 | 6L1＇て\＄ |  |  |  |  |  |  | $\pm$ NNOO |  | $10-7960-\forall>$ | ヨ⿹VSO | GLOM |
| 8002 | 6عS\＄ |  |  |  |  |  |  | $\pm$ NOO |  | $10-6 \mathrm{v} 60-\forall>$ | ヨ⿹VSO | $180 \times 1$ |
| 8002 | 021\＄ |  |  |  |  |  |  | $\pm$ NNOO |  | $10-8 \mathrm{t} 60-\forall>$ | ヨ⿹VSO | 180＞1 |
| 8002 | \＆ $21 \$$ |  |  |  |  | L002 | 21\＄ | पddyy |  | 10－$\angle 980-\forall>$ | ヨ⿹VSO | 180＞1 |
| 8002 | $\downarrow 8$ ¢ |  |  |  |  |  |  | Sप989 |  | 10－をLZち－ | ヨ⿹VSO | 920ZO |
| 6002 | 8L6\＄ |  |  |  |  |  |  | Sप989 |  | 10－て6をと－$\bigcirc$ | ヨ⿹VSO | 21500 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 989\＄ |  |  |  |  |  |  | Sપ્વgyb | ONOWOヨ 」O Hıl | ト0－Zくトけ－ | NOıUON | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6002 | 69 ${ }^{\text {S }}$ |  |  |  |  |  |  | प8y |  | 10－てLZち－ | SSEN | 00000 |
| 8002 | 062\＄ |  |  |  |  |  |  | प8y】 |  | 10－トLです－ | SSEN | 00000 |
| 8002 | と8ャ\＄ |  |  |  |  |  |  | प8y】 | 入ఎIO SSEN $\ddagger$ O $\exists$ IW 8.08 S IW 0＇Z | ト0－ヤくレヤ－ | SSEN | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 181\＄ |  |  |  |  |  |  | ソS |  | 10－8092－X | OHSOEN |  |
| 0102 | 9LL＇1\＄ | 0102 | S1\＄ | 6002 | 81\＄ |  |  | กSy | （ $\exists \perp \mathrm{nN} \mathrm{NHO} \ddagger \mathrm{O}$＇S）H | 10－0t80－$\forall$－ | OHSOEN |  |
| 8002 | 890＇て\＄ |  |  |  |  |  |  | 人 $\forall 7$－O |  | 10－8Z96－ | OHSOEN | 690n |
| 6002 | 29巾＇と\＄ |  |  |  |  |  |  | Sप9 ${ }^{\text {d }}$ |  | 10－0んです－ | OHSOEN | 89100 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 181\＄ |  |  |  |  |  |  | 9S $\triangle 7$ |  | 10－SS92－X | $\forall \mathrm{H} V$ WヨN |  |
| 8002 | L1E\＄ |  |  |  |  |  |  | ソS | $\forall$ VJNヨS NI S⿹NISSOYO L 8 y | 10－8てZて－ X | $\forall H \forall W \exists N$ |  |
| 8002 | LてZ\＄ |  |  |  |  |  |  | ソS 17 | $\forall H \perp \exists 8 \forall$ S NI S⿹NISSOYO s 8 yyddn | 10－LZZZ－X | $\forall \mathrm{H} V$ W $\exists \mathrm{N}$ |  |
| 8002 | 192\＄ |  |  |  |  |  |  | 」＾NOO |  | 10－L960－ －$^{\text {d }}$ | $\forall \mathrm{H} V \mathrm{~W} \exists \mathrm{~N}$ | 980ก |
| 8002 | $1 \angle \varepsilon^{\prime} 1$ \＄ |  |  |  |  |  |  | 700＇ | ヨNI7 ヨıV | 10－0S60－-7 | VHVWヨN | ع901 |
| 8002 | 0ヤャ\＄ | 8002 | 1 \＄ |  |  | 9002 | 8ヵ\＄ | ＾7กว |  | 10－LSS0－$\forall$－ | $\forall \mathrm{H} V$ W $\exists \mathrm{N}$ | 2901 |
| 8002 | L9ャ\＄ |  |  |  |  |  |  | Sપygyo |  | 10－990t－ | VHVWヨN | L8903 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | ES1＇て\＄ |  |  |  |  |  |  | 180N7 |  | 10－9620－ヨ1 | NO」YOW |  |
|  | $\begin{array}{\|c\|} \hline \text { łunow甘 } \\ \text { әseyd } \\ \text { yıоM } \\ \text { pәןеш!!sヨ } \end{array}$ | ио！！еб！！90 <br> 10 dea人 <br> pәృэәdxヨ | tunow eseyd Y．10M рәןеш！！sヨ |  | łunowv eseyd Y10M рәреш！！sヨ |  |  | $\theta d K_{\perp}$ <br> y10M |  | səquinN †oə！o．d． | amen Kıunos | əınoy |
| ISNOO | pue $\exists$ ¢ | 7 | 10 | M | O4 | E |  |  |  |  |  |  |

（SaNvSnOHL NI SLNnow y g lioa）

| 0102 | SIZ\＄ |  |  |  |  |  |  | ロヨヨS | $70 \bigcirc$ dW－NY O | Z0－ZSZ8－－ | ONヨ | 1901 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6002 | L9て＇ 1 L\＄ | 8002 | 210＇Z\＄ |  |  |  |  | Sપd8y | $70 \bigcirc$ dW－NU O | 10－Z9 ${ }^{\text {－}}$ | ONE | 1901 |
| 8002 | 0ヤ\＄ |  |  |  |  |  |  | ロヨヨS |  | 90－60tL－${ }^{\text {¢ }}$ | ONE | 090n |
|  |  | 6002 | 1عャ\＄ |  |  |  |  | S49y5 |  | 20－60tL－${ }^{\text {人 }}$ | ONヨY | 0G0n |
| 8002 | ャ91\＄ |  |  |  |  |  |  | 9S | G $\perp$ OIU $\perp$ SIO NI SNOI $\perp \forall 007$ SnOI $4 \forall \wedge$ | ャ0－8て6G－${ }^{\text {－}}$ | ONヨY | －10＞1 |
| 6002 | と6で1\＄ |  |  |  |  |  |  |  |  | 10－ZLEt－ | ONEY | とヤャ00 |
| 6002 | Stで1\＄ |  |  |  |  |  |  | S48y5 |  | 10－L1Et－ 3 | ONヨY | 92020 |
| 6002 | LOL＇こ\＄ |  |  |  |  |  |  | กSบป | पヨ | 10－L8です - | ONヨY | 180ZO |
| 8002 | $\downarrow$ 七દ‘เ\＄ |  |  |  |  |  |  | Sપy8y |  | ト0－ヶ9トゥ－ | ONE | 00003 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | EL6\＄ |  |  |  |  |  |  | 700＇ |  | 10－1．01－${ }^{\text {a }}$ | SNI7MVY | 980ก |
| 8002 | L9で1\＄ | L00Z | GZ\＄ |  |  |  |  | כЧ＾ |  | 10－ヤ688－ | SNI7M ${ }^{\text {d }}$（1） | 980ก |
| 6002 | 6SS\＄ |  |  |  |  |  |  | OS |  | 10－98てt－- | SNI7MVY | 62100 |
| 6002 | 662\＄ |  |  |  |  |  |  | กS |  | 10－ヤ8てか－ | SNI7MVบ | 上てカ1O |
| 6002 | 88て\＄ |  |  |  |  |  |  | กS |  | 10－を8で・ | SNI7MVソ | 0トセ03 |
| 8002 | L6Z\＄ |  |  |  |  |  |  | प9y9 |  | 10－をLOt－ | SNI7M | 62100 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | こちて\＄ |  |  |  |  |  |  | ＾O7IW |  | 10－8602－ 0 | IIVUd | tG0ก |
| 8002 | て0カ＇こ\＄ |  |  |  |  |  |  | 人 $\forall 7$－O | S $\perp 1 W 17$ 人 | 10－2901－${ }^{10}$ | 11VYd | ャG0ก |
| 0102 | LLて＇।\＄ | 0102 | 9†9\＄ | 6002 | 1 \＄ |  |  | กSy勺 |  | $10-\varepsilon \dagger 80-\forall>$ | 1＾VYd | 182П |
|  |  | 6002 | 092\＄ |  |  |  |  | Sप9\％ |  | †0－をちて8－ | 11VYd | tG0ก |
| 8002 | Z09＇Zદ\＄ |  |  |  |  |  |  | กSU勺 |  | ع0－をちて8－${ }^{\text {－}}$ | 11VUd | †G0n |
|  |  | 8002 | ع86＇t\＄ |  |  |  |  | กMyヨd |  | こ0－をヤて8－ | 11VYd | †G0ก |
| 6002 | عと9\＄ |  |  |  |  |  |  | กS |  | 10－て\＆とち－ 3 | 1＾VUd | ع9810 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 9\＄ |  |  |  |  |  |  | Оヨด勺 | O⿹ヨWVM NI＇ 1 S $\exists \mathrm{NI} \wedge$ 8 प 4 Udत | 10－عLEz－X | ヨlWOL $\forall$ M $\forall \perp \perp$ Od |  |
| 6002 | 1てし\＄ |  |  |  |  |  |  | पdyપy | （ع9－＞）H 19 NO W7ヨ O | 10－9ヤレて－ 0 | ヨlWOL $\forall M \forall \perp \perp O d$ | †20n |
| 8002 | 098\＄ |  |  |  |  |  |  | 180N7 |  | 10－6080－ヨ1 | ヨlWOL $\forall$ M $\forall \perp \perp O d$ | と8ャ00 |
| 8002 | 9LS\＄ |  |  |  |  |  |  | 1＾NOO |  | 10－9960－$\forall$－ | $\exists \mathrm{l} W 0 \perp \forall M \forall \perp \perp O d$ | ع901 |
| 8002 | LSG＇1\＄ |  |  |  |  |  |  | 」＾NOO |  | 10－$\angle \downarrow 60-\forall>$ | $\exists \mathrm{l}$（ ${ }^{\text {d }}$ | 9101 |
| 8002 | 002\＄ | 8002 | 1\＄ | LOOZ | 1 \＄ |  |  | กSub | Uヨ |  | $\exists 1 W O \perp \forall M \forall \perp \perp O d$ | ちZOn |
| 8002 | 96ヶ\＄ |  |  |  |  |  |  | Sy9yb |  | 10－sとで七 | $\exists \mathrm{IWO}-\forall M \forall \perp \perp O d$ | ャ9ヶ1つ |
| 8002 | LZO＇1\＄ |  |  |  |  |  |  | Sy9yb |  | ト0－て6レヤ－ | $\exists \mathrm{l}$（ ${ }^{\text {d }}$ | 7LS00 |
| 8002 | 61E\＄ |  |  |  |  |  |  | Sy9y9 | ヨNIV78 」 0 ヨ IW 0＇乙 8 N IW c＇z | ト0－ト9トカ－ | $\exists \mathrm{IWO}-\forall M \forall \perp \perp O d$ | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6002 | Es ${ }^{\text {d }}$ |  |  |  |  |  |  | \O7IN |  | 10－Sカレて－ 0 | SdI77IHd | 980ก |
| 8002 | †0L＇เ\＄ |  |  |  |  |  |  | 1＾NOO |  | 10－6101－-7 | SdI77IHd | ع8¢\} |
| 6002 | とLL\＄ |  |  |  |  |  |  | प9y |  | 10－18です | SdI77IHd | LS800 |
| 6002 | OS1\＄ |  |  |  |  |  |  | प9y勺 |  | 10－08です | SdI77IHd | 19800 |
| 0102 | LOZ\＄ |  |  |  |  |  |  | प9y勺 |  | 10－6Lで・ - | SdI77IHd | 62900 |
| 8002 | してヤ\＄ |  |  |  |  |  |  | yay |  | 10－066と－ 3 | SdI77IHd | 00003 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6002 | 981\＄ |  |  |  |  |  |  | MO7IN | （9Gト－＞／99－Sก） 1 S H | 10－8\＆เて－ 0 | $\exists \exists \mathrm{NM} \forall \mathrm{d}$ | 990n |
| ио！！еб！！90 10 леәл pәңэәdхヨ |  | $\begin{gathered} \text { ио!!еб!!90 } \\ \text { !0 леәл } \\ \text { рәџәәdxヨ } \end{gathered}$ | łunowv eseyd y．0M рәңеш！！sヨ |  | $\begin{gathered} \text { junowv } \\ \text { әseyd } \\ \text { y.10M } \\ \text { pәреш!!sヨ } \end{gathered}$ |  | $\begin{gathered} \text { łunowళ } \\ \text { әseyd } \\ \text { y.10M } \\ \text { pәреш!!sヨ } \end{gathered}$ | $\theta d K_{\perp}$ <br> y10M |  | ıəquinN †כə！old | amen Kıuno | əұnoy |
| ISNOכ | pue $\exists$ Э | 7 | 10 | M | Oy | E |  |  |  |  |  |  |


| 8002 | 18\＆\＄ |  |  |  |  |  |  | Sप9y9 |  | 10－660t－ 3 | $77 \exists$ SSnप | 88903 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6002 | Lヤャ\＄ |  |  |  |  |  |  | Sy9yb |  | 10－00てt－ | HSnY | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 8GZ\＄ |  |  |  |  |  |  | $\pm$ NOO |  | 10－0201－$\forall \lambda$ | SyOOY | ع81ก |
| 8002 | SSt\＄ |  |  |  |  |  |  | $\pm$ NOO |  | 10－9101－$\forall \lambda$ | SyOOY | ع8⿺卜 |
| 8002 | عとદ＇เ\＄ |  |  |  |  |  |  | 700＇ | ヨNI7 $1 \perp$ NกOO $\exists \mathrm{NCO}$ | 10－6660－$\forall \lambda$ | SYOOY | 8101 |
| 0102 | 0عS\＄ | 0102 | 1 \＄ | 6002 | 1 \＄ |  |  | กS |  | 10－8880－-7 | SyOOY |  |
| 8002 | 9Lて\＄ |  |  |  |  |  |  | Oヨ048 | NOıSOOOM $\ddagger$ H H | 10－600t－ | SYOOY | 91600 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 102\＄ |  |  |  |  |  |  | 9S |  | 10－0ヤGz－X | 人키니 |  |
| 6002 | 099\＄ |  |  |  |  | L00Z | 21\＄ | प $\exists \perp \mathrm{NI}$ |  | 10－9SLて－ 0 | 人키나 |  |
| 8002 | 099\＄ |  |  |  |  |  |  | UヨıNi |  | 10－191て－ | 人키니 |  |
| 8002 | 0عャ\＄ |  |  |  |  | 9002 | †\＄ | प 3 ¢NI |  | 10－E01て－$\cap$ | 人 기나 $^{1}$ |  |
| 8002 | 0こと‘「\＄ |  |  |  |  |  |  | 1＾NOO | LLL－＞＞／8L－＞ | $10-\varepsilon 960-\forall>$ | 人키나 | $\angle L L X 1$ |
| 0102 | 8て1\＄ | 0102 | 81\＄ | 6002 | \＆\＄ |  |  | กSy勺 |  | $10-1880-\forall \lambda$ | 人ㅋ깁 | ع1L |
| 8002 | 89\＄ |  |  |  |  | L002 | GZ\＄ | S 11 | $N \forall \perp \perp \forall H N \forall W=O$ 人 1 IO | 10－ $28 \angle 0-\forall \$ & 人키나 & 8101  \hline 6002 & L0ع＇こ\＄ & 8002 & 19\＄ & 8002 & \＆¢\＄ & & & กSบู &  & $10-6 \mathrm{St0} 0-\forall \lambda$ | 人키늡 | 七Z0ก |
| 8002 | 98\＄ |  |  |  |  |  |  | SaNกコ |  | S0－96L9－${ }^{\text {人 }}$ | 人키니 | 8101 |
| 8002 | 618＇9E\＄ | 8002 | GZE\＄ |  |  |  |  | Sy8y |  | Z0－96L9－$\$ &  & 8101  \hline 0102 & 096＇1\＄ & & & & & & & กSบ勺 &  & ト0－เて6と－ & 人키니 & 00000  \hline & & & & & & & & & & & &  \hline 8002 & 181\＄ & & & & & & & ソS 17 & SNO人7 J－HınOS IN \＆O ヨnNヨ & 10－ZL9Z－X & ヨગIપ &  \hline 6002 & 892\＄ & & & & & & & ＾O7IN & （96／ち－ & 10－0ヶレて－ & ヨכİ & －101  \hline 8002 & L8\＄ & & & & & & & 人 4 ก7 & （96－＞／／t－＞＞1）ヨ & 10－6602－ 0 & ヨコIU & ヤ10y  \hline 8002 & 06て＇1\＄ & & & & & & & 700＇ &  & $10-0901-\forall \lambda$ | ヨコİ | ち00｜ |
| 8002 | 891\＄ | 8002 | 01\＄ |  |  |  |  | UヨıNI |  | 10－tG10－$\forall$－ | ヨכİ | －101 |
| 0102 | 80ヶ\＄ |  |  |  |  |  |  | प9y9 |  | 10－0てカャ－ | ヨコIપ | 00000 |
| 8002 | 9†9\＄ |  |  |  |  |  |  | y8บ勺 | SNOA 7 J M IW cio 8 S IW て＇ 1 | 10－をとをち－ | ヨコİ | 00003 |
| 8002 | LOヤ\＄ |  |  |  |  |  |  | प9y9 |  | ト0－ヤてとャ－ | ヨコIપ | 08810 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | L81\＄ |  |  |  |  |  |  | S48y9 | व＊Oપ긴 ヨ | 10－28L1－ 0 | 9178กd ${ }^{\text {a }}$ |  |
| 0102 | GZZ\＄ | 010Z | 1\＄ | 6002 | 1 1\＄ | L00Z | SZ\＄ | ＾7กว |  | $10-8060-\forall>$ | 9178กdヨy | 8ヤト｜ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 10¢\＄ |  |  |  |  |  |  | 9S | VपО | 10－s ${ }^{\text {che }}$ X | ONEY |  |
| 6002 | てヤく\＄ |  |  |  |  |  |  | \O7IW |  | 10－9と1て－ 0 | ONE | 1901 |
| 8002 | 09S\＄ |  |  |  |  |  |  | Sy8y |  | 10－ヤ01て－ 0 | ONE |  |
| 8002 | L6\＄ |  |  |  |  |  |  | ＾YdSH |  | 10－8610－ヨ1 | ONEY |  |
| 8002 | レヤ¢\＄ |  |  |  |  |  |  | 1＾NOO |  | $10-6 \angle 01-\forall \lambda$ | ONヨ | 96011 |
| 8002 | 908\＄ |  |  |  |  |  |  | 1＾NOO |  | 10－0 $001-\forall>$ | ONEY | －10＞1 |
| 8002 | ヤヤ८\＄ |  |  |  |  |  |  | 700＇ | NOSપ્યヨy | $10-\angle 901-\forall \lambda$ | ONEY | 960＞1 |
| 8002 | $6 \varepsilon$＇こ\＄ | 8002 | 69\＄ | L00Z | 乙て\＄ |  |  | กSบ勺 |  | $10-\varepsilon ¢ 10-\forall \lambda$ | ONE |  |
| 8002 | 8\＄ |  |  |  |  |  |  | ロヨヨS | NOSNIHO」กH H | 20－L9Z8－ | ONE | 090n |
| ио！џеб！！90 10 леәл рәџәәdxヨ | $\begin{array}{\|c\|} \hline \text { łunowи } \\ \text { әseyd } \\ \text { yıоM } \\ \text { pәןеш!!sヨ } \end{array}$ | $\begin{gathered} \text { ио!!еб!!90 } \\ \text { 10 леәл } \\ \text { рәџэәdxヨ } \end{gathered}$ | łunowv əseपd y．0М рәјеш！！sヨ | ио！！еб！！90 10 леәл рәұәәdхз | $\begin{gathered} \text { јunowв } \\ \text { әseyd } \\ \text { y.10M } \\ \text { pәреш!!sヨ } \end{gathered}$ | ио！！еб！！90 10 леәл рәұәәdхヨ | łunowv əseपd y10M рәұеш！ısヨ | $\partial d K_{\perp}$ <br> y10M |  | ıəquinN †כə！old | amen Kıunos | ə̨noy |
| ISNOJ | pue $\exists$ Э | 71 | ก | M | ¢ | E |  |  |  |  |  |  |


| 0102 | ع98\＄ | 0102 | L\＄ | 6002 | L\＄ |  |  | กSy | IW S1．H | 10－LE80－$\forall$ ¢ | NVWUヨHS | 日十て0ก |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6002 | E69＇Z\＄ | 8002 | L\＄ | 8002 | L\＄ |  |  | กSy |  | $10-Z \angle \triangleright 0-\forall>1$ | NVWY ${ }^{\text {H }}$ HS |  |
| 8002 | 七98\＄ | 8002 | L\＄ | L002 | L\＄ |  |  | กSy |  | 10－ヤヤ10－${ }^{\text {a }}$ | NVWY ${ }^{\text {a }}$ | 9ヵて0ก |
| 6002 | SLS\＄ |  |  |  |  |  |  | กSy勺 | SヨาIW Sc＇0 S ヨONヨH O On¢ | 10－tLEカ－ | NVWY ${ }^{\text {H }}$ HS | 89910 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 0＜\＄ |  |  |  |  |  |  | －＾NOO |  | 10－ヤ101－${ }^{\text {a }}$ | NVOIUG3HS | ع80ก |
| 8002 | 69 $\angle$ \＄ | 8002 | 1 \＄ | L00Z | 1 \＄ |  |  | กSy | $\exists \wedge \forall$ Nヨヨ | 10－9ャ | N $\forall$ aly ${ }^{\text {Hel }}$ | £ट0\1 |
| 6002 | LOZ\＄ |  |  |  |  |  |  | प9y9 |  | 10－t0とャ－ | NVOIUGHS | 00003 |
| 8002 | 七¢E\＄ |  |  |  |  |  |  | प9y9 |  | 10－80とち－ | N $\forall$ aly $k$ HS | 00003 |
| 0102 | 七8て\＄ |  |  |  |  |  |  | प9y】 | ヨIXOH コO 1 SVヨ IW ¢゙ャ 8 H | 10－てELE－ 0 | N $\forall$ aly ${ }^{\text {Hes }}$ | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 18\＄ |  |  |  |  |  |  | पddyy | 人」NกOО ヨヨNM＊HS NI 乙80\＃ヨ⿹丁luga | 10－LSIL－${ }^{\text {dry }}$ | ヨコNMVHS | 七20n |
| 8002 | てヤ0＇เ\＄ |  |  |  |  |  |  | 」＾NOO |  | 10－8960－${ }^{\text {dr }}$ | ヨコNMVHS | SLOn |
| 8002 | StS＇1\＄ |  |  |  |  |  |  | $700 \%$ |  | 10－9960－${ }^{\text {d }}$ | ヨコNMVHS | 七20ก |
| 8002 | เモで1\＄ | 8002 | L\＄ | LOOZ | L\＄ |  |  | 」n৩aつ |  | $10-\angle E 10-\forall>$ |  | 七20n |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | L16＇1\＄ |  |  |  |  |  |  | กSYD |  | 10－9ャ0て－ 0 | वY甘MヨS |  |
| 8002 | 七6て\＄ |  |  |  |  |  |  | $1903 d$ | H | 10－6180－ヨ1 | वप甘MヨS |  |
| 8002 | 七乌で七\＄ | 8002 | 8LE\＄ | L00Z | 681\＄ |  |  | กSy |  | 10－Z980－ヲ＞ | ם UM $^{\text {a }}$ | tS0n |
| 8002 | てこち\＄ | 8002 | L\＄ | L00Z | $1 \$$ |  |  | กSy |  | 10－6086－ $\boldsymbol{\lambda}$ | वY甘MヨS | ¢G0n |
| 6002 | 9 $\angle \$$ |  |  |  |  |  |  | 0ヨコS |  | こ0－02tL－ | वप甘MヨS | 091ก |
| 8002 | 880゙ャレ\＄ | 8002 | Lعह\＄ |  |  |  |  | กSy |  | 10－0Zヤく－ | व $\square_{\text {VM }}$ | 091ก |
| 8002 | 七09\＄ |  |  |  |  |  |  | กS |  | 10－をLEt－ 3 | वУVMヨS | 78610 |
| 6002 | とて9\＄ |  |  |  |  |  |  | กS | SヨาIW 0＇\＆HDCON 8 S | 10－6L0t－ 3 | वप甘MヨS | $\angle 8610$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 98が1\＄ |  |  |  |  |  |  | 180N7 |  | 10－L620－ヨ1 | L1OOS |  |
| 8002 | トレヤ\＄ |  |  |  |  |  |  | $700^{\circ}$ | S6－＞／દ8－Sก $\perp$ Oగ H | 10－8601－${ }^{\text {－}}$ | 1103S | S601 |
| 8002 | 60ガて\＄ |  |  |  |  |  |  | $709^{\prime}$ |  | 10－9801－${ }^{\text {－}}$ | 11OOS | ع80ก |
| 8002 | てZ⿺\＄ |  |  |  |  |  |  | กS |  | 10－を6で－ | 11OOS | 28900 |
| 8002 | L9Z\＄ |  |  |  |  |  |  | กS |  | 10－て6で－ 3 | 11OOS | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6002 | SLS\＄ |  |  |  |  |  |  | Sપy9y |  | 10－61 1 － 0 | ヨNI7 ${ }^{\text {d }}$ |  |
| 8002 | 8عG\＄ |  |  |  |  |  |  | पヨ ${ }^{\text {d }}$ |  | 10－6012－ 0 | ヨNI7VS |  |
| 8002 | と8t＇と\＄ |  |  |  |  |  |  | กSy |  | 10－G00Z－ 0 | ヨNI7VS |  |
| 8002 | 8ても\＄ |  |  |  |  | 9002 | 1 L | 180N7 |  | 10－LLZ0－ヨ1 | ヨNI7VS |  |
| 8002 | †てヤ\＄ |  |  |  |  |  |  | $\pm$ NOO |  | 10－8660－$\forall$ y | ヨNI7VS | t00＞1 |
| 8002 | LLZ\＄ |  |  |  |  |  |  | $\pm$ NNOO |  | 10－9660－ dy $^{1}$ | ヨNI7VS | 七01－1 |
| 8002 | LLZ\＄ |  |  |  |  | L002 | 61\＄ | पdyy |  | 10－8L80－ V $^{\text {d }}$ | ヨNI7VS | †00＞1 |
| 8002 | ZL\＄ |  |  |  |  |  |  | वヨヨS | ヨNIT OO | ع0－6LL9－ | ヨNI7 ${ }^{\text {a }}$ | 0＜01 |
| 8002 | S00＇1\＄ |  |  |  |  |  |  | Sપg8y | ヨา＊ロNヨาง 」O S IWで0 | 10－てとで－ 3 | ヨNI7VS | $\angle \triangleright \vdash$ OO |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | Lヵて\＄ |  |  |  |  | L002 | L1\＄ | पydyy | 0L－I 1 Or JO H | 10－E880－$\forall 1$ | $77 \exists$ SSกy | 1820 |
| 1．102 | $8 \downarrow \angle \$$ |  |  |  |  |  |  | प8y9 |  | 10－16で－ 5 | $77 \exists$ SSny | 00003 |
|  | łunouv eseyd Y10M рәреш！！sヨ | $\begin{gathered} \hline \text { uо!!еб!!90 } \\ 10 \text { леәл } \\ \text { рәџәәdxヨ } \end{gathered}$ |  | ио！！еб！！90 <br> 10 180 <br> pəəวədxヨ | łunouv eseyd Y．10M рәృеш！！รヨ | $\begin{gathered} \text { uо!џеб!!90 } \\ \text { ч0 леәл } \\ \text { рәџәәdxヨ } \end{gathered}$ |  | $\theta d K_{\perp}$ <br> y10M |  | jəqunn †כə！o．d | amen Kıunos | əınoy |
| ISNOO | pue $\exists$ Э | 71 | ก | M | O4 |  |  |  |  |  |  |  |



| 6002 | 160＇1\＄ | 800Z | $1 \$$ | 8002 | 1 \＄ |  |  | กS | IW s＇9 XOYdd $\forall$ ISVヨ t－Y WOY | 10－s9t0－$\forall$－ | ヨヨSNกV8＊M |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0102 | 8LE\＄ |  |  |  |  |  |  | Sप98y | OOIXVd JO S IW E＇0 8 ヨ IW L＇0 | 10－を1をち－ | ヨヨSNกVG＊M | 09903 |
| 8002 | LZS\＄ |  |  |  |  |  |  | प9y9 |  | ト0－てเとか－ |  | 00000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 629\＄ |  |  |  |  |  |  | 180N7 | 人ヨNヨヨ习习M NI $\perp$ S O |  | O⿹ヨ⿺𠃊 |  |
| 6002 | 8ع8＇1\＄ | 8002 | 1 \＄ | 8002 | 1 \＄ |  |  | กSy勺 |  | $10-\varepsilon \angle \triangleright 0-\forall>$ | O⿹ヨบ1 | ع8Zत |
| 0102 | 898\＄ |  |  |  |  |  |  | प9y9 |  | 10－118t－ | O⿹ヨบ1 | 00003 |
| 6002 | 1LE\＄ |  |  |  |  |  |  | प9y勺 |  | 10－01Et－ | 0⿹ヨบ1 | 00003 |
| 8002 | L8ャ\＄ |  |  |  |  |  |  | प9y9 | 人ヨNヨヨソVM JO $3 \mathrm{IW} 0{ }^{\circ} 68 \mathrm{NIW}$ L＇G | 10－60とt－ 3 | O⿹ヨบ1 | 00003 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | เع乙＇เ\＄ |  |  |  |  |  |  | 人 $\forall 7$－O |  | 10－s $101-\forall>\mid$ | S $\forall \mathrm{WOH} \perp$ | 880ก |
| 8002 | S81\＄ |  |  |  |  | L00Z | ع1\＄ | ydyyg |  | 10－9880－$\forall$ V | SVWOH $\perp$ | 0201 |
| 8002 | 802\＄ |  |  |  |  |  |  | 17 |  | 10－t9 ${ }^{\text {do－}}$－ | S $\forall W$ OH $\perp$ | 0 201 |
| 6002 | G6ヤ\＄ |  |  |  |  |  |  | กSy勺 |  | 10－680ヶ－ 3 | S $\forall W O H \perp$ | 88800 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 81\＄ |  |  |  |  |  |  | 9S |  | 10－8992－X | प ${ }^{\text {a }}$ NWกS |  |
| 6002 | 七¢เ\＄ |  |  |  |  |  |  | MO7IW |  | 10－0¢1て－ 0 | प ${ }^{\text {a }}$ NWกS | 1800 |
| 8002 | $\downarrow$ ¢S\＄ |  |  |  |  |  |  | กรบ勺 |  | 10－0802－ 0 | पヨNWกS | 0910 |
| 0102 | 669＇1\＄ |  |  |  |  |  |  | กSy勺 | 」ヨヨ | 10－0681－ก | Y ${ }^{\text {a }}$ NWกS |  |
| 1102 | \＆ $21 \$$ |  |  |  |  |  |  | Sप9y9 | \ヨヨコ | 10－Z991－n | प ${ }^{\text {a }}$ NWกS |  |
| 1102 | \＆ $21 \$$ |  |  |  |  |  |  | Sપy9yb |  | 10－1991－n | प ${ }^{\text {a }}$ NWกS |  |
| 8002 | ャ98\＄ |  |  |  |  |  |  | 」＾NOO |  | 10－ZLOL－-7 | प ${ }^{\text {a }}$ NWกS | GS01 |
| 8002 | 8ZL＇1\＄ |  |  |  |  |  |  | 」＾NOO | NO＾VNI77ヨM $\perp \cap O 1$ ¢ | 10－8G01－$-\forall>$ | प ${ }^{\text {a }}$ NWกS | 1800 |
| 0102 | こてト＇เ\＄ | 0102 | 9\＄ | 6002 | 21\＄ |  |  | nsyb |  | 10－ヵt80－$\forall$－ | प ${ }^{\text {a }}$ NWกS | 0910 |
| 8002 | 68S\＄ |  |  |  |  |  |  | प9y勺 | YOヨd $\ddagger 0 \mathrm{M}$ IW 8＇Z 8 S IW $\mathrm{V}^{\prime}$－ | 10－Stet－ | पヨNWกS | 86603 |
| 1102 | 610＇E\＄ |  |  |  |  |  |  | กSy勺 |  | 10－80をャ－ | प ${ }^{\text {a }}$ NWกS | tャ900 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | $\triangleright 08 \$$ |  |  |  |  |  |  | 人 $\forall 7$－O |  | 10－ $2601-\forall \lambda$ | NOLN $\forall 1$ S | 0910 |
| 6002 | 199\＄ |  |  |  |  |  |  | กS |  | 10－S0ヶt－ 3 | $N O \perp N \forall \perp S$ | 80800 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | 909\＄ |  |  |  |  |  |  | $700 \cdot 1$ |  | 10－8901－-7 | वप्CO $\exists ⿰ 丬 士 口$ S | 6101 |
| 8002 | 681＇乙\＄ |  |  |  |  |  |  | $7 \mathrm{OS}^{\prime}$ ！ |  | 10－9901－$-\lambda$ |  | 090n |
| 6002 | 1 Lع＇เ\＄ |  |  |  |  |  |  | nS |  | 10－891ヶ－ |  | 98900 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8002 | LSG＇1\＄ |  |  |  |  |  |  | 」＾NOO | ヨNI7 ヨ | 10－$\angle 101-\forall \lambda$ | HLIWS | 1827 |
| 0102 | 0عて\＄ |  |  |  |  |  |  | प9y | Uヨ | 10－て0とち－ | HLIWS | 00003 |
| 0102 | とத ${ }^{\text {d }}$ |  |  |  |  |  |  | प9y勺 |  | 10－10とt－ | HLIWS | 00000 |
| 6002 | 961\＄ |  |  |  |  |  |  | प9y勺 | NO」⿹NISNヨY コО M IW 0＇Z | 10－00とt－ | HLIWS | 00003 |
| 6002 | OS1\＄ |  |  |  |  |  |  | प9y9 |  | 10－66でー | HLIWS | 00000 |
| 8002 | 9Lて\＄ |  |  |  |  |  |  | प9y勺 |  | 10－86てt－ 3 | HLIWS | 00003 |
| 8002 | 七81\＄ |  |  |  |  |  |  | प9y勺 |  | 10－L6です - | HLIWS | 00003 |
| 8002 | LSE\＄ |  |  |  |  |  |  | प9y9 |  | 10－96で－ 3 | HLIWS | 00000 |
| ио！џеб！！90 <br> 10 леәл <br> рәџэәdxヨ |  |  | junowv oseyd भдом рәృеш！ısヨ | $\begin{gathered} \text { uо!џеб!!90 } \\ \text { ч० леәл } \\ \text { рәџәәdxヨ } \end{gathered}$ | $\begin{gathered} \text { łunow甘 } \\ \text { әseyd } \\ \text { y.10M } \\ \text { pәןеш!łsヨ } \end{gathered}$ |  | $\begin{gathered} \text { łunowళ } \\ \text { әseyd } \\ \text { y.10M } \\ \text { pәреш!!sヨ } \end{gathered}$ | $\partial d K_{\perp}$ <br> y10M |  | ıəquinN †כə！old | amen Kıunos | əұnoy |
| ISNOכ | pue $\exists$ Э | 7 |  | M |  | E |  |  |  |  |  |  |

（SaNvSnOHL NI SLNnow y g lioa）

| 8002 | 601\＄ |  |  |  |  |  |  | 9S |  | 10－Z81て－X | $\exists \mathrm{IIM} \mathrm{\exists} \mathrm{\perp} \mathrm{~V}$ ， S |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8002 | OG1\＄ |  |  |  |  |  |  | dMHHS | Sપ્ ヨy | 20－6620－ヨ1 | $\exists \mathrm{IIM} \mathrm{\exists} \mathrm{\perp} \mathrm{~V}$ 」S |  |
| 8002 | 001\＄ |  |  |  |  |  |  | פ77IW |  | 10－8911－${ }^{\text {－}}$ | $\exists \mathrm{O} M \exists \perp \forall \perp$ S |  |
| 8002 | L09\＄ |  |  |  |  |  |  | $700 \%$ |  | 10－9901－${ }^{\text {d }}$ | $\exists \mathrm{IIM} \mathrm{\exists} \mathrm{\perp} \mathrm{~V}$ ， S | 610Y |
| 6002 | L92\＄ |  |  |  |  |  |  | S 11 | $\varepsilon$ QNV 乙 S」OIU | 10－2080－${ }^{\text {－}}$ | $\exists \mathrm{OlM} \mathrm{\exists} \mathrm{\perp} \mathrm{\forall} \mathrm{\perp S}$ |  |
| 6002 | 6ヤャ\＄ |  |  |  |  |  |  | 17 |  | 10－99 $0-\forall>$ | $\exists \mathrm{OlM} \mathrm{\exists} \mathrm{\perp} \mathrm{\forall} \mathrm{\perp S}$ | 0＜01 |
|  |  |  |  |  |  | 8002 | E01\＄ | 70ヨdS | $\exists \mathrm{IIM} \mathrm{\exists} \mathrm{\perp} \mathrm{\forall} \mathrm{\perp S}$ | 60－99G0－$\forall$－ | $\exists \mathrm{IIM} \mathrm{\exists} \mathrm{\perp} \mathrm{~V}$ ， S |  |
| 6002 | 6ヵレ\＄ |  |  |  |  |  |  | SII |  | $10-6 \mathrm{~b} \mathrm{~S}^{-}-\lambda$ | $\exists \mathrm{OlM} \mathrm{\exists} \mathrm{\perp} \mathrm{\forall} \mathrm{\perp S}$ |  |
|  |  |  |  |  |  | 6002 | 002\＄ | $\exists \mathrm{d}$ | dWVO ヨ | 60－1628－ －$^{\text {－}}$ | $\exists \mathrm{OlM} \mathrm{\exists} \mathrm{\perp V} \mathrm{\perp} \mathrm{~S}$ |  |
|  |  |  |  |  |  | 8002 | 002\＄ | $\exists \mathrm{d}$ | dWVO ヨy $\forall M \forall$ OI7gnd $\lambda 1 \exists \exists \forall \mathrm{~S}$ ヨNOZ Y | 80－1628－${ }^{\text {－}}$ | $\exists \mathrm{IIM} \mathrm{\exists} \mathrm{\perp V} \mathrm{\perp S}$ |  |
| 8002 | ヤレ\＄ |  |  |  |  |  |  | dMHHS |  | 60－トヤナ9－ | $\exists \mathrm{OlM} \mathrm{\exists} \mathrm{\perp} \mathrm{~V}$ 」S |  |
| 6002 | 892\＄ |  |  |  |  |  |  | 勺S |  | S0－tGZ9－ | $\exists \mathrm{OlM} \mathrm{\exists} \mathrm{\perp} \mathrm{~V}$ 」S |  |
| 6002 | 9G1\＄ |  |  |  |  |  |  | 9S | G $\perp$ OIVİSIO NI SNOI $\perp \forall 007$ SnOIV $\forall \wedge$ | 90－826G－ | $\exists \mathrm{OIM} \mathrm{\exists} \mathrm{\perp V} \mathrm{\perp S}$ |  |
| 6002 | Stて\＄ |  |  |  |  |  |  | 9S | $\varepsilon \perp$ IVİSIO NI SNOI $\perp \forall 007$ SnOly $\forall \wedge$ | S0－LZ6S－${ }^{\text {－}}$ | $\exists \mathrm{IIM} \mathrm{\exists} \mathrm{\perp} \mathrm{~V}$ ， S |  |
| 6002 | 9LE\＄ |  |  |  |  |  |  | 9S | Z $\perp$ OIUCLSIO NI SNOI $\perp \forall 007$ SnOly $\forall \wedge$ |  | $\exists \mathrm{O} M \exists \perp \forall \perp$ S |  |
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## GLOSSARY

Advanced Construction (AC): Authorization of Advanced Construction funds does not constitute a commitment of Federal funds but provides the State the opportunity to proceed with the construction of a project in lieu of available apportionment or obligation authority, with the option to convert the AC project when funds become available. Projects authorized with AC funding are the financial responsibility of the State until the State decides to convert them to regular Federal funding.

Apportionment: Term used to describe the division of categories of funds among the states from the funds appropriated by Congress to the U.S. Department of Transportation. Categories include the National Highway System (NHS), Surface Transportation Program (STP), Bridge Replacement and Rehabilitation, Interstate Maintenance, and Congestion Mitigation and Air Quality (CMAQ) programs.

At-Grade Crossing: Intersection of two roadways or a highway and a railroad at the same grade.

City Connecting Link (KLINK): A city street that connects two rural portions of state highway. Normally a city is responsible for maintaining the connecting link. KDOT reimburses the city based on a lane-mile rate established by law. In small cities the Secretary may enter into an agreement to maintain the City Connecting Link in lieu of payments. KDOT maintains all City Connecting Links which have full access control, such as the Interstate.

Condition Rating: The condition of a bridge element, member, or component is evaluated for its current physical state and compared to the as-built (new) condition. Ratings range from 9 - new condition to 0 - failed condition.

Culvert: Generally a drainage structure constructed beneath an embankment. Box sections, pipes, and arches are examples of various culvert shapes.

Deck: That portion of a bridge which provides direct support of and the riding surface for vehicular and pedestrian traffic. The deck distributes traffic and deck weight loads to the superstructure elements.

Expressway: Generally a four-lane divided highway with partial access control.
Freeway: Generally a four-lane divided highway with full access control.
Geometric Improvement: A project that includes roadway improvements other than a surface treatment, such as shoulder and lane widening, curb and gutter, or roadway alignment.

Let: Advertise and award a contract to the lowest responsible bidder.
Major Modification: Program of projects to improve the service and safety of the existing highway system. Roadway projects in this program include reconstruction/ rehabilitation of pavement, adding or widening lanes and/or shoulders, and improving alignment (hills or curves). Associated bridge work in this program includes deck overlays, widening, reconstruction, and replacement.

Obligation Limitation: The total amount of apportioned funds which a state may commit to contract within a given time period (normally a fiscal year). This limitation on the amount of Federal-aid a state can utilize has been used in recent years as a budgetary tool by Congress.

Pavement Management System (PMS): A comprehensive program of data gathering and analysis used by KDOT to select surface preservation locations and actions. The system can be used to determine actions to achieve the best statewide pavement surface conditions possible using available funds or alternatively to determine the minimum cost to achieve a given level of performance.

Priority Bridge: Program of projects to replace or rehabilitate bridges which are deteriorated or which have deficiencies in load-carrying capacity, width, or traffic service.

Priority System: The system of formulas used to rank Major Modification and Priority Bridge improvement projects. The formulas, two for roads (one for Interstate and one for non-interstate) and one for bridges, are comprised of a number of characteristics which measure the relative need for improvement.

Reconstruction: Type of improvement designed to replace the existing roadway or bridge when it has reached the end of its useful life. Often accompanied by improvements to the functional and operational capacity of the highway.

Rehabilitation: Type of improvement designed to preserve and extend the service life and enhance the safety of an existing roadway or bridge when total replacement is not warranted.

Retroreflectivity: Light reflected back to the driver's eye from pavement marking or signing reflective material.

Rideability: A measure of the smoothness and riding characteristics of a road surface.

Route Classification System: A detailed classification system which groups all State Highway routes into five levels as follows:

Class A - The Interstate System.
Class B -Routes that serve as the most important statewide and Interstate corridors for travel.
Class C -Defined as arterials, these routes are closely integrated with Class A and B routes in service to all of the State.
Class D -These routes provide access to arterials and serve small urban areas not on a Class A, B, or C route, or access to county seat cities.
Class E - Primarily used for local service only, these routes are typified by very short trips.

Separation Structure: A bridge that separates the grades of two or more intersecting roadways or a highway and a railroad.

Set-Aside: A program of funds reserved for a specific purpose.
Substantial Maintenance: Program of projects designed to protect the investment in the State Highway System by preserving existing roadways and bridges. This work includes surface preservation, bridge and culvert repair, bridge painting, emergency repair, sign refurbishing, pavement marking, and small safety projects.

Substructure: The abutments, piers, or other constructed bridge elements built to support the span of a bridge superstructure. The substructure transfers loads from the superstructure to the foundation soil or rock.

Superstructure: The entire portion of a bridge structure which primarily receives and supports traffic loads transmitted through the bridge deck. The superstructure carries these loads across the span and then transfers them to the bridge substructure.

Surface Preservation: Projects designed to preserve the "as built" condition of roadways. This work can include a variety of actions including overlay, milling, crack repair, patching, edge drains, or mudjacking.

Surface Reconstruction: Projects designed to replace only the existing surface of a roadway whose geometric characteristics meet current standards.

System Enhancement: Program of projects to relieve congestion, improve access, enhance economic development, or improve safety on major segments of the State Highway System. Projects are in three basic categories including corridors, interchanges/separations, and bypasses. The program was established by the Comprehensive Highway Program and projects were selected for FY 1990-1997 only.


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